

HD 1761



Division of Agricultural Sciences

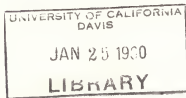
UNIVERSITY OF CALIFORNIA

#226

CALIFORNIA CROP FARMS

Estimated Earnings by Specified Types and Sizes,
1956-1958 Conditions

Trimble R. Hedges



**CALIFORNIA AGRICULTURAL EXPERIMENT STATION
GIANNINI FOUNDATION OF AGRICULTURAL ECONOMICS**

Mimeographed Report No. 226

December 1959



CALIFORNIA CROP FARMS; ESTIMATED EARNINGS BY SPECIFIED TYPES
AND SIZES, 1956-1958 CONDITIONS.

FOREWORD

The need frequently arises for farm organization and earnings information regarding California farms. Such information is quite valuable to farmers and farm groups, and to a wide variety of firms and agencies concerned with agriculture. It may prove indispensable as a foundation or guide for legislative bodies, administrators, and other policy makers and executors. Reasonably precise and comprehensive farm organization and earnings data, unfortunately, are difficult for prospective users to assemble. They come into being over time as researchers investigate farms and farming in various localities and under diverse conditions. This fact usually presents the one seeking broad cross-section coverage with a research task in locating and accumulating facts in order to have them available.

This report should aid persons seeking facts about California farm organization and earnings, so far as such information currently exists. It includes summaries of this information for crops farms, according to the sizes including most cropping operations. This information, furthermore, all is expressed in terms of one standard set of production and price conditions; those for the 3 years, 1956-1958. Hence, the data that are available are comparable among the different farm sizes and types.

Users should not expect to find the usual components of an integrated research investigation. The information herein comes from a considerable number of such studies, plus U.S. Census and other official releases. It is limited to end results of the kind described above. This report omits both research methodology and background information used in arriving at the estimates presented.

CONTENTS

	<u>Page</u>
FOREWORD	i
CONTENTS	ii
PART I. DISCUSSION	1
Nature of Materials in this Report	1
Importance of Various Types of Farms in the Total California Farm Economy	2
Farm Earning Calculations Reflect Typical Production Costs, Yields and Selling Prices	2
Percent Profits on Farm Capital are Relatively Low for Most Farms	4
PART II. FARM INVESTMENTS AND EARNINGS TABLES	6
PART III. APPENDIX TABLES	36

REPORT

1907

The following is a list of the names of the persons who have been elected to the office of the President of the United States, and the names of the persons who have been elected to the office of the Vice President of the United States, for the year 1907.

President: William Howard Taft

Vice President: Charles Fairbanks

The following is a list of the names of the persons who have been elected to the office of the President of the United States, and the names of the persons who have been elected to the office of the Vice President of the United States, for the year 1907.

President: William Howard Taft

Vice President: Charles Fairbanks

CALIFORNIA CROP FARMS; ESTIMATED EARNINGS BY SPECIFIED TYPES
AND SIZES, 1956-1958 CONDITIONS

by

Trimble R. Hedges^{1/}

PART I. DISCUSSION

Nature of the Materials in this Report

The purpose of this report is to provide the best over-all perspective of earnings for certain types of California farms that it is possible to prepare in a limited time period. It concerns itself, therefore, with farming systems and organizations on which prior research already had yielded essential factual information. It excludes many phases of California agriculture for the reason that such research results are not yet available. Fruit and livestock farms are the most important among these omitted farming systems.

Three main parts make up the body of this paper: (1) the Discussion, (2) Farm Investments and Earnings Tables, and (3) Appendix Tables. This present Discussion is presented merely to explain and summarize the objectives, sources and content of the tables. The facts in the two sets of tables are largely self-explanatory, once the user is informed regarding their sources and basic premises. Farm Investments and Earnings Tables cover five farming systems, and include from 4 to 6 farm sizes in each. The Appendix Tables provide information on the over-all structure of California agriculture.

^{1/} Professor of Agricultural Economics and Agricultural Economist in the Experiment Station and on the Ciennini Foundation, University of California, College of Agriculture, Davis, California.

Volume 1, Number 1

January 1968

THE UNIVERSITY OF CHICAGO PRESS

The University of Chicago Press is a not-for-profit corporation organized under the laws of the State of Illinois. It is a member of the Association of American Universities Presses. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions.

For more information, please contact the University of Chicago Press, 505 East Superior Street, Chicago, IL 60605.

THE UNIVERSITY OF CHICAGO PRESS

The University of Chicago Press is a not-for-profit corporation organized under the laws of the State of Illinois. It is a member of the Association of American Universities Presses. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions.

THE UNIVERSITY OF CHICAGO PRESS

CHICAGO, ILLINOIS

The University of Chicago Press is a not-for-profit corporation organized under the laws of the State of Illinois. It is a member of the Association of American Universities Presses. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions.

The University of Chicago Press is a not-for-profit corporation organized under the laws of the State of Illinois. It is a member of the Association of American Universities Presses. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions. The Press is committed to the highest standards of scholarship and to the widest dissemination of knowledge. It publishes books, journals, and electronic media in a wide range of fields. The Press also provides a variety of publishing services to authors and institutions.

Each of the five farming systems included in the second main part of this paper includes a range of "typical" farm sizes. Thus, the cotton and general field crop farms each includes farm of 80-, 160-, 320-, 640-, 1280-, and 2560-acre sizes; the three grain farming systems (barley, rice, and wheat) omit the first two sizes.

Importance of Various Types of Farms in the
Total California Farm Economy

The 1954 Census of Agriculture provides an over-all view of California Agriculture according to farm economic classification, type, and size.^{1/} Of the 93,600 farms reporting cropland acres in 1954, about one-half received \$5,000 or more in gross receipts, slightly over one-fourth also were classified as commercial farms, but reported less than \$5,000 in gross receipts; the remainder were classified as "other" including part-time, and residential or abnormal units (Appendix Table 1). One-third of these 93,600 units were fruit and nut farms, another one-fifth were livestock farms; vegetable farms were responsible for less than 4 percent of the total and field crops units constituted the remainder. The farms examined in this report thus are drawn from the 13 percent in this latter group.

Small farm sizes dominate the fruit and nut, livestock, cotton, vegetable and general field crop farms; larger sizes and more important in numbers among the grain farms (Appendix Table 2). Most crop acres are in the larger farms within all farming systems (Appendix Tables 3-9).

^{1/} California Counties and State Economic Areas, 1954 Census of Agriculture; U.S. Department of Commerce, Bureau of the Census, Vol. III, pt. 33, State Table 1, page 2.

Sampling methods and reliability for the 1954 Census data reported in the reports, Size of Operation by Type of Farm, and California Counties and State Economic Areas, appear in these two releases.^{1/}

Farm Earnings Calculations Reflect Typical Production Costs, Yields, and Selling Prices

The farm production and earnings information in this report reflects typical farm organizations, practices, and inputs, as determined from research studies, farmer reports, and official sources.^{2/}

1/ Size of Operation by Type of Farm, and California Counties and State Economic Areas, U.S. Department of Commerce, Bureau of the Census, Vol. III, pt. 8, pages 18 and 19, and Vol. I, pt. 33, pages 20 and 21.

2/ University of California, Giannini Foundation of Agricultural Economics Mimeographed Reports:

- 111 Economics of Mechanical Cotton Harvesting in the San Joaquin Valley - 1949, January 1951.

Northern Kern County Cotton-Potato Farms;

- 137 No. 1 Organization, Inputs and Costs, October 1952,
143 No. 2 Costs, Returns, and Scale of Operations, January 1953.
161 Cotton Quotas and Allotments and California Farm Adjustments in 1954, January 1954.
167 Santa Maria and Adjacent Area Vegetable Farms 1. Organization Inputs and Costs, June 1954.

Farm Adjustments and Earnings Under 1955 Cotton Acreage Allotments;

- 191 1. Upper San Joaquin Valley Cotton Farms, 1953-55, December 1956,
194 2. Small Grape Cotton Farms in the San Joaquin Valley, Eastside 1953-1955, May 1957,
202 3. San Joaquin Valley Eastside Cotton Farms, 1953-1955, May 1958,
208 4. Central San Joaquin Valley Cotton Farms, 1953-1955, July 1958,
211 5. San Joaquin Valley Westside Cotton Farms, 1953-1955, September 1958.

Inputs and Costs for Producing Field Crops;

- 192 1. Upper San Joaquin Valley Cotton Farms, 1953-55, December 1956,
203 3. San Joaquin Valley Eastside Cotton Farms, 1953-1955, May 1958,
209 4. Central San Joaquin Valley Cotton Farms, 1953-1955, July 1958,
212 5. San Joaquin Valley Westside Cotton Farms, 1953-1955, September 1958,
207 Sacramento Valley Rice Farms 1. Organization Costs and Returns, July 1958.

... ..
... ..
... ..

... ..
... ..

... ..
... ..
... ..

... ..
... ..
... ..

... ..
... ..

... ..
... ..

... ..

1.
2.
3.
4.
5.

... ..

1.
2.
3.
4.
5.

... ..

1.
2.
3.
4.
5.

The farm sizes considered are relatively important in the various farming systems, as indicated in the Appendix Tables. Three-year average yields and prices (1956-1958) are indicated for all crops, except potatoes; year-to-year production and price fluctuations for this crop made it advisable to add a fourth year in computing averages. These averages became typical, or normal, values for use in determining production, gross receipts and costs.

The procedure for calculating farm earnings according to farm types and sizes included eight steps:

1. Specifying the choice of crops and the acreages in each--based on available research information, supplemented in some instances by Census data.

2. Determining total production for each crop and the entire farm, and, from this information, total farm Gross Receipts.

3. Calculating all cash outlays by categories, including both variable expenses for specific inputs and cash fixed costs, such as taxes.

4. Deducting Total Cash Outlays from Gross Receipts to find NET CASH INCOME.

5. Deducting depreciation, but adding back value of operator's labor (previously deducted as a portion of labor outlays), to arrive at NET FARM INCOME.

6. Subtracting out an allowance for the operators full labor time to determine PROFIT.

7. Expressing PROFIT as a percentage of the average total farm capital investment.

8. Determining interest on farm capital investment at an assumed going market rate of 6 percent, and subtracting this amount from the PROFIT to determine MANAGEMENT INCOME.

The result of these calculations was to estimate the various financial results and earnings measures according to the specified farm types and sizes, under AVERAGE YIELD, PRICE, AND COST CONDITIONS DURING 1956 through 1958. Each of the measures has its own particular characteristics and uses. Gross Receipts, and Cash Outlays have little meaning alone; each may serve to provide some indication of the size of the farm business, the first from the total receipts, and the second from the total cash outlays viewpoints. NET CASH INCOME is useful to measure the dollars left over after the farmer covers all cash outlays (including in these calculations an imputed value for his own actual labor as indicated below). It has very limited usefulness as a measure of total farm earnings, because it omits the major noncash item, depreciation.

NET FARM INCOME measures actual net returns to the farm operator to cover the contributions of capital invested in land, other real estate and operating equipment, the farmer's own labor, and his own management.

PROFIT is the amount left over from NET FARM INCOME, after deducting the imputed value of the operator's own labor; it is the return, therefore, to capital investment and the operator's own management.

MANAGEMENT INCOME represents the part of PROFIT that remains for the operator--after deducting an imputed share of capital at an assumed going market rate of return on capital investment--in these calculations, 6 percent.

A further interesting comparison would result from capitalizing the PROFIT to determine what price an operator could afford to pay for land and still maintain the assumed 6 percent market earning rate.

Percent Profits on Farm Capital Are Relatively Low For Most Farms; Dollars
Tend to Increase, But Rate Earned Gains Little as Size Increases

The following text table summarizes the dollar profits and rate earned as percentages on farm investments for the 5 farming types:

Acres in farms:	80	160	320	640	1280	2560
Cotton:						
Profit	1,868	8,188	24,635	44,995	25,358	55,619
Percent	2.71	5.94	9.51	9.10	4.40	4.75
General Crop:						
Profit	-1,996	-1,519	838	6,714	13,324	36,270
Percent	-3.82	-1.54	.45	1.86	1.96	2.63
Rice:						
Profit	--	--	15,213	31,792	60,516	124,980
Percent	--	--	12.46	12.86	12.58	12.95
Wheat:						
Profit	--	--	-1,256	657	3,359	4,474
Percent	--	--	-1.65	.43	1.14	.77
Barley:						
Profit	--	--	1,331	647	3,790	8,267
Percent	--	--	1.75	.42	1.28	1.42

The two larger rice farms showed the highest earnings, both in dollars and in percentages, according to this analysis, with the same sizes in cotton farms ranking second. These two farming systems also held first and second place among the 320- and 640-acre farms, but cotton farms had the higher profits. General field crop farms were the only type for which profits improved consistently with size, but the rate on the 2560-acre farms represented only 2.63 percent on the total farm investments.

Both dollar profits and the rate earned would have been larger for the general crop farms if the price used had included Government payments of approximately \$2.00 per ton of sugar beets. These were omitted because they do not appear in the currently released annual production and value summaries for the various crops. To add these payments would increase the dollar profits for the several farm sizes by the following amounts: 80-acre, \$630; 160-acre, \$840; 320-acre, \$1,470; 640-acre, \$2,940; 1280-acre, \$5,670; 2560-acre, \$10,500.

The drop in earnings rates for the two larger cotton farms reflects the reduced supplies and higher costs for irrigation water on these units, with accompanying lower acre earnings from both cotton and alternative crops.

Earnings on both the cotton and rice farms have benefited greatly, as compared with what earlier years returns would have shown, due to the marked yields increases that farmers have obtained for these two crops during recent production seasons.

Two other comments are appropriate concerning the information presented in this report: 1) Sugar beets in the general crop farm organization represent specialty crops in general; and, 2) field crop farms included in this study, although representing fewer than one-fifth of all California farms, accounted for about one-third of all 1958 gross value from farm production in the State. The number and diversity of specialty crops included in field crop farms in California is such that it is not practicable to indicate separate farm organizations and earnings for even a substantial portion of these collectively quite important products. The sugar beet enterprise, grown on over 200 thousand acres in 1959, therefore, serves to represent these various specialty crops in the general crop farm organizations.

PART II. FARM INVESTMENTS AND EARNINGS TABLES

	<u>Page</u>
TABLE 1 Estimated California Cotton Farm Investments by Size; Real Estate and Operating Equipment, 1959 Prices	7
TABLE 2 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 80-Acre Cotton Farm at 1959 Price Conditions	8
TABLE 3 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 160-Acre Cotton Farm at 1959 Price Conditions	9
TABLE 4 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 320-Acre Cotton Farm at 1959 Price Conditions	10
TABLE 5 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 640-Acre Cotton Farm at 1959 Price Conditions	11
TABLE 6 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 1280-Acre Cotton Farm at 1959 Price Conditions	12
TABLE 7 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 2560-Acre Cotton Farm at 1959 Price Conditions	13
TABLE 8 Estimated California General Crop Farm Investments by Size; Real Estate and Operating Equipment, 1959 Prices	14
TABLE 9 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 80-Acre General Crop Farm at 1959 Price Conditions	15
TABLE 10 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 160-Acre General Crop Farm at 1959 Price Conditions	16
TABLE 11 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 320-Acre General Crop Farm at 1959 Price Conditions	17
TABLE 12 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 640-Acre General Crop Farm at 1959 Price Conditions	18
TABLE 13 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 1280-Acre General Crop Farm at 1959 Price Conditions	19
TABLE 14 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 2560-Acre General Farm at 1959 Price Conditions	20
TABLE 15 Estimated California Rice Farm Investments by Size; Real Estate and Operating Equipment, 1959 Prices	21
TABLE 16 Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 320-Acre Rice Farm at 1959 Price Conditions	22

1. The first of these is the fact that the American Medical Association is a voluntary association of physicians and surgeons. It is not a government agency, nor is it a part of the government. It is a private organization, and its members are free to join or leave it at will. This is one of the reasons why it is able to maintain its independence and to act in the best interests of the medical profession as a whole.

2. The second reason is that the American Medical Association is a national organization. It represents the interests of physicians and surgeons throughout the United States. This gives it a broad perspective and the ability to address issues that affect the entire medical community.

3. The third reason is that the American Medical Association is a professional organization. Its members are all licensed physicians and surgeons, and they are all committed to the highest standards of medical practice. This gives the organization a high level of credibility and respect within the medical community.

4. The fourth reason is that the American Medical Association is a non-profit organization. It does not have any financial interests, and its only purpose is to serve the interests of its members and the medical profession as a whole. This gives it a high level of trust and confidence among its members and the public.

5. The fifth reason is that the American Medical Association is a democratic organization. Its members elect their representatives to the governing body, and they have the right to voice their opinions and concerns. This gives the organization a high level of accountability and responsiveness to its members.

6. The sixth reason is that the American Medical Association is a collaborative organization. It works closely with other medical organizations, government agencies, and the public to address issues that affect the medical profession and the health of the nation. This gives it a broad base of support and the ability to effect change on a national level.

7. The seventh reason is that the American Medical Association is a forward-looking organization. It is always looking for ways to improve the medical profession and the health of the nation. It is always on the cutting edge of medical research and practice, and it is always striving to be the best it can be.

8. The eighth reason is that the American Medical Association is a patriotic organization. It is committed to the values and principles of the United States, and it is always working to promote the health and well-being of the American people. This gives it a high level of respect and support from the American public.

9. The ninth reason is that the American Medical Association is a resilient organization. It has been able to survive and thrive through many challenges and changes over the years. This gives it a high level of stability and the ability to continue to serve the medical profession and the public for many years to come.

10. The tenth reason is that the American Medical Association is a successful organization. It has achieved many accomplishments over the years, and it continues to do so. This gives it a high level of respect and support from the medical profession and the public.

TABLE 17	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 640-Acre Rice Farm at 1959 Price Conditions	23
TABLE 18	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 1280-Acre Rice Farm at 1959 Price Conditions	24
TAB LE 19	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 2560-Acre Rice Farm at 1959 Price Conditions.	25
TABLE 20	Estimated California Wheat Crop Farm Investments by Size; Real Estate and Operating Equipment, 1959 Prices.	26
TABLE 21	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 320-Acre Wheat Farm at 1959 Price Conditions	27
TABLE 22	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 640-Acre Wheat Farm at 1959 Price Conditions	28
TABLE 23	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 1280-Acre Wheat Farm at 1959 Price Conditions	29
TABLE 24	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 2560-Acre Wheat Farm at 1959 Price Conditions	30
TABLE 25	Estimated California Barley Farm Investments by Size; Real Estate and Operating Equipment, 1959 Prices.	31
TABLE 26	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 320-Acre Barley Farm at 1959 Price Conditions	32
TABLE 27	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 640-Acre Barley Farm at 1959 Price Conditions	33
TABLE 28	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 1280-Acre Barley Farm at 1959 Price Conditions	34
TABLE 29	Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Earnings for 2560-Acre Barley Farm at 1959 Price Conditions	35

TABLE 1

Estimated California Cotton Farm Investments by Size;
Real Estate and Operating Equipment, 1959 Prices

(In dollars)

	80-Acre		160-Acre		320-Acre		640-Acre		1280-Acre 1/		2560-Acre 1/	
	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
Land 2/	550	44,000	550	88,000	550	176,000	550	352,000	275	352,000	275	704,000
Structures	14	1,078	12	1,776	13	3,900	14	8,400	12	14,700	11	27,000
Land leveling	100	7,700	100	14,800	100	30,000	100	60,000	100	120,000	100	240,000
Irrigation	88	6,776	82	12,136	70	21,000	54	32,400	32	39,850	37	89,100
Subtotal	202	15,554	194	28,712	183	54,900	168	100,800	144	173,550	148	356,100
All Real Estate	752	59,554	744	116,712	733	230,900	718	452,800	419	525,550	423	1,060,100
Power	80	6,160	69	10,212	50	15,000	35	21,000	20	24,150	24	56,700
Earth moving	1	77	1	148	2	600	1	600	1	1,050	2	5,400
Seedbed	17	1,309	8	1,184	7	2,100	6	3,600	4	4,200	5	10,800
Row crop	6	462	10	1,480	7	2,100	5	3,000	3	3,150	2	5,400
Grain	0	0	0	0	0	0	0	0	1	1,050	2	5,400
Hay	6	462	4	592	2	600	2	1,200	2	2,100	1	2,700
Cotton	13	1,001	48	7,104	24	7,200	20	12,000	12	14,700	10	24,300
Special			3	444	2	600						
Subtotal	123	9,471	143	21,164	94	28,200	69	41,400	43	50,400	46	110,700
TOTAL	875	69,025	887	137,876	827	259,100	787	494,200	462	575,950	469	1,170,800

1/ Farms located in localities where water is short in supply, high in cost.

2/ Per farm acre.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 2

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 80-Acre Cotton Farm at 1959 Price Conditions

(In dollars)

Item	Individual crops					Total farm
	Cotton	C. seed	Alfalfa h.	Barley	Milo	
1	2	3	4	5	6	7
Acres $\frac{1}{2}$	33	(33)	30	14	(14)	--
Yield $\frac{1}{2}$	1,000	.8	6.0	20.0	31.5	--
Production $\frac{1}{2}$	33,000	26.4	180.0	280	441	--
Price	.3241	52.20	23.43	2.17	2.27	--
Gross receipts	10,695.30	1,378.08				
	12,073.38		4,217.40	607.60	1,001.07	17,899
Cash Outlays (variable expenses):						
Power	478.50		156.00	63.70	99.82	798
Equipment	297.00		100.50	16.10	60.34	474
Materials	1,386.00		750.00	133.00	176.12	2,445
Labor	1,386.00		1,066.50	164.50	325.22	2,942
Contracts	3,844.50		1,035.00	195.30	242.76	5,318
All Variable	7,392.00		3,108.00	572.60	904.26	11,977
Cash Outlays (fixed costs)						
Taxes, Ins.						379
Oper. equip.						462
Land						152
Irrigation						43
Other real estate						
All fixed						1,036
Total Cash Outlays						13,013
NET CASH INCOME						4,886
Depreciation						
Oper. equip. (-)						947
Real estate (-)						32
Irrigation (-)						339
Operator's labor (+)						1,100
NET FARM INCOME						4,668
Operator's labor (-)						2,800
PROFIT						1,868
PERCENT PROFIT						2.71
Interest on capital						4,144
Oper. equip.						(568)
Land						(2,640)
Irrigation						(409)
Other real estate						(527)
Total Real Estate						(3,576)
MANAGEMENT INCOME						-2,276
(Profit minus interest on capital)						

$\frac{1}{2}$ Units as follows: acres, number; yield and production, cotton and alfalfa seed, pounds; alfalfa hay and cottonseed, tons; beans, grain, and potatoes, hundredweight.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 3

9.

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 160-Acre Cotton Farm at 1959 Price Conditions
(In dollars)

Item	Individual crops					Total farm
	Cotton	Alfalfa h.	Barley	Milo	Potatoes	
1	2	3	4	5	6	7
Acres ^{1/}	55	20	40	(40)	28	143
Yield ^{1/}	1,000	6.0	20.0	31.5	265.0	--
Production ^{1/}	55,000	120.0	800	1,260.0	7,420	--
Price	.3241	23.43	2.17	2.27	2.34	--
Gross receipts	17,825.50 ^{2/}					
	20,122.30 ^{2/}	2,811.60	1,736.00	2,860.20	17,362.80	44,893
Cash Outlays (variable expenses):						
Power	687.50	111.00	140.00	219.60	286.16	1,444
Equipment	1,801.25	100.00	34.00	165.20	184.80	2,285
Materials	2,406.25	540.00	400.00	538.00	4,280.36	8,165
Labor	2,007.50	650.00	380.00	708.00	696.92	4,442
Contracts	4,565.00	690.00	560.00	690.00	7,558.60	14,064
All Variable	11,467.50	2,091.00	1,514.00	2,320.80	13,006.84	30,400
Cash Outlays (fixed costs)						
Taxes, Ins.						
Oper. equip.						847
Land						888
Irrigation						273
Other real estate						71
All fixed						2,079
Total Cash Outlays						32,479
NET CASH INCOME						12,414
Depreciation						
Oper. equip. (-)						2,116
Real estate (-)						53
Irrigation (-)						607
Operator's labor (+)						1,350
NET FARM INCOME						10,988
Operator's labor (-)						2,800
PROFIT						8,188
PERCENT PROFIT						5.9%
Interest on capital	^{1/} Units as follows: acres, number; yield and production, cotton and alfalfa seed, pounds; alfalfa hay and cottonseed, tons; beans, grain, and potatoes, hundredweight.					8,273
Oper. equip.						(1,270)
Land						(5,280)
Irrigation						(995)
Other real estate						(728)
Total Real Estate						(7,003)
MANAGEMENT INCOME (Profit minus interest on capital)						- 85

^{2/} Includes cotton seed, 2,296.80.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the differential equation $f'(x) = f(x)$. The solution of this equation is $f(x) = Ce^x$, where C is a constant. The value of C is determined by the initial condition $f(0) = 1$, which gives $C = 1$. Therefore, the function $f(x)$ is $f(x) = e^x$.

4444-2 111

1. The following information is being furnished to you for your information only. It is not to be used for any other purpose.

TABLE 4

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 320-Acre Cotton Farm at 1959 Price Conditions

(In dollars)

Item	Individual crops					Total farm
	Cotton	C. seed	Alfalfa	F. corn	Potatoes	
1	2	3	4	5	6	7
Acres ^{1/}	119	(119)	80	60	22	--
Yield ^{1/}	1,000	.8	6.0	41.5	265.0	--
Production ^{1/}	119,000	95.2	480	2,490	5,830	--
Price	.3241	52.20	23.43	2.62	2.34	--
Gross receipts	38,567.90	4,969.44				
	43,537.34		11,246.40	6,523.80	13,642.20	74,950
Cash Outlays (variable expenses):						
Power	1,368.50		396.00	360.00	169.40	2,294
Equipment	2,082.50		116.00	240.00	174.24	2,613
Materials	5,474.00		2,460.00	2,430.00	3,423.64	13,788
Labor	4,284.00		1,140.00	720.00	310.20	6,454
Contracts	7,021.00		2,800.00	1,530.00	5,922.40	17,273
All Variable	20,230.00		6,912.00	5,280.00	9,999.88	42,422
Cash Outlays (fixed costs)						
Taxes, Ins.						1,128
Oper. equip.						1,800
Land						472
Irrigation						156
Other real estate						
All fixed						3,556
Total Cash Outlays						45,978
NET CASH INCOME						28,972
Depreciation						
Oper. equip. (-)						2,820
Real estate (-)						117
Irrigation (-)						1,050
Operator's labor (+)						2,450
NET FARM INCOME						27,435
Operator's labor (-)						2,800
PROFIT						24,635
PERCENT PROFIT						9.51
Interest on capital						15,546
Oper. equip.						(1,692)
Land						(10,560)
Irrigation						(1,260)
Other real estate						(2,034)
Total Real Estate						(13,854)
MANAGEMENT INCOME						9,089
(Profit minus interest on capital)						

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 4

Estimated values of the various items of property and equipment owned by the Government of the United States, as of the end of the fiscal year 1944, and the estimated values of the same items as of the end of the fiscal year 1943.

Item	1944	1943
Land	1,000,000,000	1,000,000,000
Buildings	1,000,000,000	1,000,000,000
Equipment	1,000,000,000	1,000,000,000
Inventory	1,000,000,000	1,000,000,000
Accounts receivable	1,000,000,000	1,000,000,000
Prepaid expenses	1,000,000,000	1,000,000,000
Other assets	1,000,000,000	1,000,000,000
Total	1,000,000,000	1,000,000,000

Source: Bureau of Economic Warfare, Office of War Relocation Administration, and War Relocation Authority, "Report on the Administration of the War Relocation Authority, 1944-1945," Washington, D. C., 1946.

TABLE 5

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 640-Acre Cotton Farm at 1959 Price Conditions

(In dollars)

Item	Individual crops					Total farm
	Cotton	Alfalfa h.	Barley	Beans	Fallow	
1	2	3	4	5	6	7
Acres ^{1/}	230	150	100	70	50	600
Yield ^{1/}	1,000	6.0	20.0	14.0	--	--
Production ^{1/}	230,000	900	2,000	980	--	--
Price	.3241	23.43	2.17	8.23	--	--
Gross receipts	74,543.00 ^{2/}					
	84,147.80	21,087.00	4,340.00	8,065.40	--	117,640
Cash Outlays (variable expenses):						
Power	2,622.00	1,125.00	310.00	413.00	44.00	4,514
Equipment	4,370.00	705.00	60.00	217.00	176.50	5,528
Materials	11,270.00	4,740.00	1,275.00	2,362.50	.00	19,648
Labor	8,165.00	2,212.50	925.00	1,200.50	65.00	12,568
Contracts	13,570.00	.00	1,700.00	2,776.20	7.50	18,054
All Variable	39,997.00	8,782.50	4,270.00	6,969.20	293.00	60,312
Cash Outlays (fixed costs)						
Taxes, Ins.						1,656
Oper. equip.						3,600
Land						729
Irrigation						336
Other real estate						
All fixed						6,321
Total Cash Outlays						66,633
NET CASH INCOME						51,007
Depreciation						
Oper. equip. (-)						4,140
Real estate (-)						252
Irrigation (-)						1,620
Operator's labor (+)						2,800
NET FARM INCOME						47,795
Operator's labor (-)						2,800
PROFIT						44,995
PERCENT PROFIT						9.10
Interest on capital	^{1/} Units as follows: acres, number; yield and production, cotton and alfalfa seed, pounds; alfalfa hay and cottonseed, tons; beans, grain, and potatoes, hundredweight.					29,652
Oper. equip.						(2,484)
Land						(21,120)
Irrigation						(1,944)
Other real estate						(4,104)
Total Real Estate						(27,168)
MANAGEMENT INCOME	(Profit minus interest on capital)					15,343

^{2/} Includes cotton seed, 9,604.80.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 6

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 1280-Acre Cotton Farm at 1959 Price Conditions

(In dollars)

Item	Individual crops					Total farm
	Cotton	C. seed	Barley	Alfalfa s.	Fallow	
1	2	3	4	5	6	7
Acres $\frac{1}{2}$	255	(255)	640	175	130	1,200
Yield $\frac{1}{2}$	1,000	.8	20.0	4.2	--	--
Production $\frac{1}{2}$	255,000	204	12,800	735	--	--
Price	.3241	52.20	2.17	30.34	--	--
Gross receipts	82,645.50	10,648.80				
	93,294.30		27,776.00	22,299.90		143,370
Cash Outlays (variable expenses):						
Power	2,805.00		1,696.00	586.25	110.50	5,198
Equipment	5,355.00		352.00	350.00	396.50	6,454
Materials	13,387.50		10,560.00	6,475.00	--	30,422
Labor	8,670.00		5,600.00	2,800.00	162.50	17,232
Contracts	14,790.00		11,680.00	11,200.00	19.50	37,690
All Variable	45,007.50		29,888.00	21,411.25	689.00	96,996
Cash Outlays (fixed costs)						
Taxes, Ins.						2,064
Oper. equip.						7,200
Land						864
Irrigation						576
Other real estate						10,704
All fixed						107,700
Total Cash Outlays						35,670
NET CASH INCOME						
Depreciation						
Oper. equip. (-)						5,160
Real estate (-)						432
Irrigation (-)						1,920
Operator's labor (+)						--
NET FARM INCOME						28,158
Operator's labor (-)						2,800
PROFIT						25,358
PERCENT PROFIT						4.40
Interest on capital						34,584
Oper. equip.						(3,096)
Land						(21,120)
Irrigation						(2,304)
Other real estate						(8,064)
Total Real Estate						(31,488)
MANAGEMENT INCOME						-9,226
	(Profit minus interest on capital)					

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

[illegible][illegible]

TABLE 7

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 2560-Acre Cotton Farm at 1959 Price Conditions

(In dollars)

Item	Individual crops					Total farm
	Cotton	Alfalfa s.	Barley	Beans	Fallow	
1	2	3	4	5	6	7
Acres ^{1/}	440	200	1,400	110	250	2,400
Yield ^{1/}	1,000.0	4.2	20.0	14.0	--	--
Production ^{1/}	440,000	840	28,000	1,540	--	--
Price	.3241	30.34	2.17	8.23	--	--
Gross receipts	142,604.00					
	160,978.40 ^{2/}	25,485.60	60,760.00	12,674.20		259,898
Cash Outlays (variable expenses):						
Power	4,400.00	610.00	3,640.00	574.20	185.00	9,409
Equipment	7,260.00	310.00	2,800.00	308.00	525.00	11,203
Materials	28,160.00	7,700.00	25,900.00	3,886.30	--	65,646
Labor	13,200.00	3,250.00	10,724.00	1,650.00	280.00	29,104
Contracts	25,520.00	13,200.00	5,600.00	3,630.00	25.00	47,975
All Variable	78,540.00	25,070.00	48,664.00	10,048.50	1,015.00	163,338
Cash Outlays (fixed costs)						
Taxes, Ins.						
Oper. equip.						4,416
Land						14,400
Irrigation						1,997
Other real estate						1,056
All fixed						21,869
Total Cash Outlays						185,207
NET CASH INCOME						74,691
Depreciation						
Oper. equip. (-)						11,040
Real estate (-)						792
Irrigation (-)						4,440
Operator's labor (+)						--
NET FARM INCOME						58,419
Operator's labor (-)						2,800
PROFIT						55,619
PERCENT PROFIT						4.75
Interest on capital						70,176
Oper. equip.						(6,624)
Land						(42,240)
Irrigation						(5,328)
Other real estate						(15,984)
Total Real Estate						(63,552)
MANAGEMENT INCOME						-14,557
	(Profit minus interest on capital)					

^{2/} Includes cotton seed, 18,374.40.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 8

Estimated California General Crop Farm Investments by Size;
Real Estate and Operating Equipment, 1959 Prices

(In dollars)

	80-Acre		160-Acre		320-Acre		640-Acre		1280-Acre		2560-Acre	
	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total	Per crop acre	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
Land ^{1/}	400	32,000	400	64,000	400	128,000	400	256,000	400	512,000	400	1,024,000
Structures	14	910	12	1,440	13	3,120	14	6,720	12	11,520	11	21,120
Land leveling	100	6,500	100	12,000	100	24,000	100	48,000	100	96,000	100	192,000
Irrigation	88	5,720	82	9,840	70	16,800	54	25,920	32	30,720	37	71,040
Subtotal	202	13,130	194	23,280	183	43,920	168	80,640	144	138,240	148	284,160
All Real Estate	602	45,130	594	87,280	583	171,920	568	336,640	544	650,240	548	1,308,160
Power	80	5,200	69	8,280	50	12,000	35	16,800	20	19,200	24	46,080
Earth moving	1	65	1	120	2	480	1	480	1	960	2	3,840
Seedbed	17	1,105	8	960	7	1,680	6	2,880	4	3,840	5	9,600
Row crop	6	390	10	1,200	7	1,680	5	2,400	3	2,880	2	3,840
Grain	0	0	0	0	0		0		1	960	2	3,840
Hay	6	390	4	480	2	480	2	960	2	1,920	1	1,920
Subtotal	110	7,150	92	11,040	68	16,320	49	23,520	31	29,760	36	69,120
TOTAL	712	52,280	686	98,320	651	188,240	617	560,160	575	680,000	584	1,377,280

^{1/} Per farm acre.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

7. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 2572. 2573. 2574. 2575. 2576. 2577. 2578. 2579. 2580. 2581. 2582. 2583. 2584. 2585. 2586. 2587. 2588. 2589. 2590. 2591. 2592. 2593. 2594. 2595. 2596. 2597. 2598. 2599. 2600. 2601. 2602. 2603. 2604. 2605. 2606. 2607. 2608. 2609. 2610. 2611. 2612. 2613. 2614. 2615. 2616. 2617. 2618. 2619. 2620. 2621.

TABLE 9

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 80-Acre General Crop Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | | Total farm |
|--------------------------------------|--|----------|----------|----------|------------|
| | Alfalfa h. | D. beans | S. beets | Gr. sor. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Acres ^{1/} | 16 | 15 | 15 | 19 | 65 |
| Yield ^{1/} | 6.0 | 14.0 | 21.0 | 31.5 | -- |
| Production ^{1/} | 96 | 210 | 315 | 598.5 | -- |
| Price | 23.42 | 8.23 | 11.50 | 2.27 | -- |
| Gross receipts | 2,248.32 | 1,728.30 | 3,622.50 | 1,358.60 | 8,958 |
| Cash Outlays
(variable expenses): | | | | | |
| Power | 83.20 | 136.95 | 176.25 | 135.47 | 532 |
| Equipment | 53.44 | 79.65 | 112.50 | 81.89 | 327 |
| Materials | 401.44 | 443.70 | 825.00 | 239.02 | 1,909 |
| Labor | 603.52 | 378.45 | 487.50 | 441.37 | 1,911 |
| Contracts | 556.48 | 620.10 | 1,200.00 | 329.46 | 2,706 |
| All Variable | 1,698.08 | 1,658.85 | 2,801.25 | 1,227.21 | 7,385 |
| Cash Outlays
(fixed costs) | | | | | |
| Taxes, Ins. | | | | | |
| Oper. equip. | | | | | 286 |
| Land | | | | | 390 |
| Irrigation | | | | | 129 |
| Other real estate | | | | | 36 |
| All fixed | | | | | 841 |
| Total Cash Outlays | | | | | 8,226 |
| NET CASH INCOME | | | | | 732 |
| Depreciation | | | | | |
| Oper. equip. (-) | | | | | 715 |
| Real estate (-) | | | | | 27 |
| Irrigation (-) | | | | | 286 |
| Operator's labor (+) | | | | | 1,100 |
| NET FARM INCOME | | | | | 804 |
| Operator's labor (-) | | | | | 2,800 |
| PROFIT | | | | | -1,996 |
| PERCENT PROFIT | | | | | -3.82 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, alfalfa hay and sugar beets, tons; dry beans and grains, hundredweight. | | | | 3,137 |
| Oper. equip. | | | | | (429) |
| Land | | | | | (1,920) |
| Irrigation | | | | | (343) |
| Other real estate | | | | | (445) |
| Total Real Estate | | | | | (2,708) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | | -5,133 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE V

Estimated costs of construction, including labor, materials, and overhead, for the proposed project, based on the following assumptions:

(in dollars)

| Item | Quantity | Unit Price | Total Cost | Remarks |
|-------------------|----------|------------|----------------|---------|
| Excavation | 100 | 1.50 | 150.00 | |
| Foundation | 200 | 2.00 | 400.00 | |
| Structure | 300 | 3.00 | 900.00 | |
| Roofing | 100 | 1.00 | 100.00 | |
| Interior Finishes | 200 | 2.50 | 500.00 | |
| Exterior Finishes | 100 | 1.50 | 150.00 | |
| Landscaping | 50 | 0.50 | 25.00 | |
| Utilities | 100 | 1.00 | 100.00 | |
| Other | 100 | 1.00 | 100.00 | |
| Total | | | 2325.00 | |

Notes: 1. All prices are based on current market rates. 2. The above costs are estimates and may vary depending on actual conditions. 3. The total cost includes all materials, labor, and overhead.

TABLE 10

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 160-Acre General Crop Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | | Total farm |
|--|--|----------|----------|----------|------------|
| | Alfalfa h. | Barley | D. beans | S. beets | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Acres ^{1/} | 35 | 40 | 20 | 20 | 115 |
| Yield ^{1/} | 6.0 | 20.0 | 14.0 | 21.0 | -- |
| Production ^{1/} | 210 | 800 | 280 | 420 | -- |
| Price | 23.43 | 2.17 | 8.23 | 11.50 | -- |
| Gross receipts | 4,920.30 | 1,736.00 | 2,304.40 | 4,830.00 | 13,791 |
| Cash Outlays
(variable expenses): | | | | | |
| Power | 194.25 | 140.40 | 149.80 | 190.00 | 674 |
| Equipment | 175.00 | 33.60 | 102.60 | 120.00 | 431 |
| Materials | 943.95 | 400.40 | 609.00 | 1,100.00 | 3,053 |
| Labor | 1,137.85 | 376.80 | 394.00 | 500.00 | 2,409 |
| Contracts | 1,230.95 | 556.80 | 825.00 | 1,600.00 | 4,212 |
| All Variable | 3,682.00 | 1,508.00 | 2,080.40 | 3,510.00 | 10,780 |
| Cash Outlays
(fixed costs) | | | | | |
| Taxes, Ins. | | | | | |
| Oper. equip. | | | | | 442 |
| Land | | | | | 720 |
| Irrigation | | | | | 221 |
| Other real estate | | | | | 58 |
| All fixed | | | | | 1,441 |
| Total Cash Outlays | | | | | 12,221 |
| NET CASH INCOME | | | | | 1,570 |
| Depreciation | | | | | |
| Oper. equip. (-) | | | | | 1,104 |
| Real estate (-) | | | | | 43 |
| Irrigation (-) | | | | | 492 |
| Operator's labor (+) | | | | | 1,350 |
| NET FARM INCOME | | | | | 1,281 |
| Operator's labor (-) | | | | | 2,800 |
| PROFIT | | | | | -1,519 |
| PERCENT PROFIT | | | | | - 1.54 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, alfalfa hay and sugar beets, tons; dry beans and grains, hundredweight. | | | | 5,898 |
| Oper. equip. | | | | | (662) |
| Land | | | | | (3,840) |
| Irrigation | | | | | (590) |
| Other real estate | | | | | (806) |
| Total Real Estate | | | | | (5,236) |
| MANAGEMENT INCOME (Profit minus interest on capital) | | | | | -7,417 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 11

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 320-Acre General Crop Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | | | Total
farm |
|--------------------------------------|--|----------|----------|----------|----------|---------------|
| | Alfalfa | Barley | D. beans | Gr. sor. | S. beets | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Acres ^{1/} | 50 | 75 | 20 | 30 | 35 | 210 |
| Yield ^{1/} | 6.0 | 20.0 | 14.0 | 31.5 | 21.0 | -- |
| Production ^{1/} | 300 | 1,500 | 280 | 945 | 735 | -- |
| Price | 23.43 | 2.17 | 8.23 | 2.27 | 11.50 | -- |
| Gross receipts | 7,029.00 | 3,255.00 | 2,304.40 | 2,145.15 | 8,452.50 | 23,186 |
| Cash Outlays
(variable expenses): | | | | | | |
| Power | 245.00 | 255.00 | 125.40 | 127.50 | 315.00 | 1,068 |
| Equipment | 71.50 | 56.25 | 60.40 | 63.00 | 210.00 | 461 |
| Materials | 1,536.00 | 816.00 | 654.80 | 473.10 | 1,907.50 | 5,387 |
| Labor | 710.00 | 699.75 | 205.20 | 459.90 | 857.50 | 2,932 |
| Contracts | 1,758.50 | 1,113.75 | 817.20 | 506.40 | 2,791.25 | 6,987 |
| All Variable | 4,321.00 | 2,940.75 | 1,863.00 | 1,629.90 | 6,081.25 | 16,836 |
| Cash Outlays
(fixed costs) | | | | | | |
| Taxes, Ins. | | | | | | 653 |
| Oper equip. | | | | | | 1,440 |
| Land | | | | | | 378 |
| Irrigation | | | | | | 125 |
| Other real estate | | | | | | 2,556 |
| All fixed | | | | | | 19,432 |
| Total Cash Outlays | | | | | | 3,754 |
| NET CASH INCOME | | | | | | |
| Depreciation | | | | | | 1,632 |
| Oper. equip. (-) | | | | | | 94 |
| Real estate (-) | | | | | | 840 |
| Irrigation (-) | | | | | | 2,450 |
| Operator's labor (+) | | | | | | |
| NET FARM INCOME | | | | | | 3,638 |
| Operator's labor (-) | | | | | | 2,800 |
| PROFIT | | | | | | 838 |
| PERCENT PROFIT | | | | | | 0.45 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, alfalfa hay and sugar beets, tons; dry beans and grains, hundredweight. | | | | | 11,294 |
| Oper. equip. | | | | | | (979) |
| Land | | | | | | (1,008) |
| Irrigation | | | | | | (1,627) |
| Other real estate | | | | | | (10,315) |
| Total Real Estate | | | | | | |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | | | -10,456 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 12

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 640-Acre General Crop Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | | | Total farm |
|--------------------------------------|--|----------|----------|----------|-----------|------------|
| | Alfalfa h. | Barley | D. beans | Gr. sor. | S. beets | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Acres ^{1/} | 100 | 150 | 40 | 65 | 70 | 425 |
| Yield ^{1/} | 6.0 | 20.0 | 14.0 | 31.5 | 21.0 | -- |
| Production ^{1/} | 600 | 3,000 | 560 | 2,047.5 | 1,470.0 | -- |
| Price | 23.43 | 2.17 | 8.23 | 2.27 | 11.50 | -- |
| Gross receipts | 14,058.00 | 6,510.00 | 4,608.80 | 4,647.82 | 16,905.00 | 46,730 |
| Cash Outlays
(variable expenses): | | | | | | |
| Power | 750.00 | 465.00 | 236.00 | 253.50 | 595.00 | 2,300 |
| Equipment | 468.00 | 90.00 | 124.00 | 136.50 | 350.00 | 1,168 |
| Materials | 3,175.00 | 1,899.00 | 1,232.00 | 1,088.75 | 3,780.00 | 11,175 |
| Labor | 1,475.00 | 1,372.50 | 686.00 | 984.75 | 1,662.50 | 6,181 |
| Contracts | .00 | 2,535.00 | 1,586.40 | 1,017.90 | 5,530.00 | 10,669 |
| All Variable | 5,868.00 | 6,361.50 | 3,864.40 | 3,481.40 | 11,917.50 | 31,493 |
| Cash Outlays
(fixed costs) | | | | | | |
| Taxes, Ins. | | | | | | 941 |
| Oper. equip | | | | | | 2,880 |
| Land | | | | | | 583 |
| Irrigation | | | | | | 269 |
| Other real estate | | | | | | 4,673 |
| All fixed | | | | | | 36,166 |
| Total Cash Outlays | | | | | | 10,564 |
| NET CASH INCOME | | | | | | |
| Depreciation | | | | | | |
| Oper. equip. (-) | | | | | | 2,352 |
| Real estate (-) | | | | | | 202 |
| Irrigation (-) | | | | | | 1,296 |
| Operator's labor (+) | | | | | | 2,800 |
| NET FARM INCOME | | | | | | 9,514 |
| Operator's labor (-) | | | | | | 2,800 |
| PROFIT | | | | | | 6,714 |
| PERCENT PROFIT | | | | | | 1.86 |
| Interest on capital | ^{1/} Units as follows: <u>acres</u> , number; <u>yield and production</u> , alfalfa hay and sugar beets, tons; dry beans and grains, hundredweight. | | | | | 21,609 |
| Oper. equip. | | | | | | (1,411) |
| Land | | | | | | (15,360) |
| Irrigation | | | | | | (1,555) |
| Other real estate | | | | | | (3,283) |
| Total Real Estate | | | | | | (20,198) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | | | -14,895 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

(1994, 1995, 1996)

TABLE 13

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 1280-Acre General Crop Farm at 1959 Price Conditions
(In dollars)

| Item | Individual crops | | | | | Total
farm |
|--|--|-----------|----------|----------|-----------|----------------------|
| | Alfalfa h. | Barley | D. beans | Gr. sor. | S. beets | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Acres ^{1/} | 205 | 290 | 80 | 120 | 135 | 960 ^{2/} |
| Yield ^{1/} | 6.0 | 20.0 | 14.0 | 31.5 | 21.0 | -- |
| Production ^{1/} | 1,230 | 5,800 | 1,120 | 3,780.0 | 2,835 | -- |
| Price | 23.43 | 2.17 | 8.23 | 2.27 | 11.50 | -- |
| Gross receipts | 28,818.90 | 12,586.00 | 9,217.60 | 8,580.60 | 32,602.50 | 91,806 |
| Cash Outlays
(variable expenses): | | | | | | |
| Power | 1,496.50 | 638.00 | 432.00 | 408.00 | 1,012.50 | 4,095 |
| Equipment | 922.50 | 159.50 | 248.00 | 252.00 | 607.50 | 2,586 |
| Materials | 6,713.75 | 4,767.60 | 2,808.00 | 2,172.00 | 7,121.20 | 23,583 |
| Labor | 3,300.50 | 2,543.30 | 1,306.40 | 1,719.60 | 2,970.00 | 12,001 |
| Contracts | .00 | 5,292.50 | 2,999.20 | 1,618.80 | 10,530.00 | 20,457 |
| All Variable | 12,433.25 | 13,400.90 | 7,793.60 | 6,170.40 | 22,241.20 | 62,722 ^{2/} |
| Cash Outlays
(fixed costs) | | | | | | |
| Taxes, Ins. | | | | | | 1,190 |
| Oper. equip. | | | | | | 5,760 |
| Land | | | | | | 691 |
| Irrigation | | | | | | 461 |
| Other real estate | | | | | | 8,102 |
| All fixed | | | | | | 70,824 |
| Total Cash Outlays | | | | | | 20,982 |
| NET CASH INCOME | | | | | | |
| Depreciation | | | | | | |
| Oper. equip. (-) | | | | | | 2,976 |
| Real estate (-) | | | | | | 346 |
| Irrigation (-) | | | | | | 1,536 |
| Operator's labor (+) | | | | | | -- |
| NET FARM INCOME | | | | | | 16,124 |
| Operator's labor (-) | | | | | | 2,800 |
| PROFIT | | | | | | 13,324 |
| PERCENT PROFIT | | | | | | 1.96 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, alfalfa hay and sugar beets, tons; dry beans and grains, hundredweight. | | | | | 40,800 |
| Oper. equip. | | | | | | (1,786) |
| Land | | | | | | (30,720) |
| Irrigation | | | | | | (1,843) |
| Other real estate | | | | | | (6,451) |
| Total Real Estate | | | | | | (39,014) |
| MANAGEMENT INCOME (Profit minus interest on capital) | | | | | | -27,476 |

^{2/} Total variable expense outlays include \$682.50 on 130 acres of fallow.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

1961-1962

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862. It is a message of condolence to the people of the State of California, who have recently suffered a great calamity in the form of a severe earthquake. The President expresses his sympathy for the victims and offers his prayers for their recovery.

[Faint, illegible handwritten notes]

[Faint, illegible text from the reverse side of the page]

... ..

TABLE 14

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 2560-Acre General Crop Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | | | Total
farm |
|--------------------------------------|--|-----------|-----------|-----------|-----------|-----------------------|
| | Alfalfa h. | Barley | D. beans | Gr. sor. | S. beets | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Acres ^{1/} | 400 | 590 | 165 | 245 | 250 | 1,920 ^{2/} |
| Yield ^{1/} | 6.0 | 20.0 | 14.0 | 31.5 | 21.0 | -- |
| Production ^{1/} | 2,400 | 11,800 | 2,310 | 7,717.5 | 5,250 | -- |
| Price | 23.43 | 2.17 | 8.23 | 2.27 | 11.50 | -- |
| Gross receipts | 56,232.00 | 25,606.00 | 19,011.30 | 17,518.72 | 60,375.00 | 178,743 |
| Cash Outlays
(variable expenses): | | | | | | |
| Power | 2,760.00 | 1,534.00 | 861.30 | 788.90 | 1,375.00 | 7,522 |
| Equipment | 1,620.00 | 1,180.00 | 462.00 | 441.00 | 687.50 | 4,953 |
| Materials | 13,840.00 | 10,879.60 | 5,829.50 | 4,490.85 | 12,625.00 | 47,665 |
| Labor | 7,440.00 | 4,519.40 | 2,475.00 | 3,185.00 | 4,750.00 | 22,666 |
| Contracts | .00 | 2,360.00 | 5,445.00 | 2,205.00 | 19,000.00 | 29,037 |
| All Variable | 25,660.00 | 20,473.00 | 15,072.80 | 11,110.75 | 38,437.50 | 111,848 ^{2/} |
| Cash Outlays
(fixed costs) | | | | | | |
| Taxes, Ins. | | | | | | |
| Oper. equip. | | | | | | 2,765 |
| Land | | | | | | 11,520 |
| Irrigation | | | | | | 1,597 |
| Other real estate | | | | | | 845 |
| All fixed | | | | | | 16,727 |
| Total Cash Outlays | | | | | | 128,575 |
| NET CASH INCOME | | | | | | 50,168 |
| Depreciation | | | | | | |
| Oper. equip. (-) | | | | | | 6,912 |
| Real estate (-) | | | | | | 634 |
| Irrigation (-) | | | | | | 3,552 |
| Operator's labor (+) | | | | | | -- |
| NET FARM INCOME | | | | | | 39,070 |
| Operator's labor (-) | | | | | | 2,800 |
| PROFIT | | | | | | 36,270 |
| PERCENT PROFIT | | | | | | 2.63 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, alfalfa hay and sugar beets, tons; dry beans and grains, hundredweight. | | | | | 82,636 |
| Oper. equip. | | | | | | (4,147) |
| Land | | | | | | (61,440) |
| Irrigation | | | | | | (4,262) |
| Other real estate | | | | | | (12,787) |
| Total Real Estate | | | | | | (78,489) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | | | -46,366 |

^{2/} Total variable expense outlays include \$1,093.50 on 270 acres of fallow.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 15

Estimated California Rice Farm Investments by Size;
Real Estate and Operating Equipment, 1959 Prices

(In dollars)

| | 320-Acre | | 640-Acre | | 1280-Acre | | 2560-Acre | |
|--------------------------|-------------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | Per crop
acre | Total | Per crop
acre | Total | Per crop
acre | Total | Per crop
acre | Total |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Land | 240 ^{1/} | 76,800 | 240 | 153,600 | 240 | 307,200 | 240 | 614,400 |
| Structures | 13 | 3,900 | 13 | 7,800 | 13 | 15,600 | 11 | 26,400 |
| Land leveling | 100 | 30,000 | 100 | 60,000 | 100 | 120,000 | 100 | 240,000 |
| Irrigation ^{2/} | | | | | | | | |
| Subtotal | 113 | 33,900 | 113 | 67,800 | 113 | 135,600 | 111 | 266,400 |
| All Real Estate | 353 | 110,700 | 353 | 221,400 | 353 | 442,800 | 351 | 880,800 |
| Power | 15 | 4,500 | 18 | 10,800 | 14 | 16,800 | 17 | 40,800 |
| Earth moving | 1 | 300 | 4 | 2,400 | 2 | 2,400 | 2 | 4,800 |
| Seedbed | 3 | 900 | 4 | 2,400 | 3 | 3,600 | 3 | 7,200 |
| Row crop | | | | | | | | |
| Grain | 16 | 4,800 | 16 | 9,600 | 11 | 13,200 | 10 | 24,000 |
| Hay | | | | | | | | |
| Rice | 3 | 900 | 1 | 600 | 2 | 2,400 | 3 | 7,200 |
| Special | | | | | | | | |
| Subtotal | 38 | 11,400 | 43 | 25,800 | 32 | 38,400 | 35 | 84,000 |
| TOTAL | 391 | 122,100 | 396 | 247,200 | 385 | 481,200 | 386 | 964,800 |

^{1/} Per farm acre.

^{2/} Costs for irrigation boxes included in variable expenses, basis one-third replacement annually.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 16

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 320-Acre Rice Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | Total farm |
|--------------------------------------|--|----------|--------|------------|
| | Rice | Barley | Fallow | |
| 1 | 2 | 3 | 4 | 5 |
| Acres ^{1/} | 150 | 75 | 75 | 300 |
| Yield ^{1/} | 43.5 | 20.0 | -- | -- |
| Production ^{1/} | 6,525 | 1,500 | -- | -- |
| Price | 4.38 | 2.17 | -- | -- |
| Gross receipts | 28,579.50 | 3,255.00 | -- | 31,834 |
| Cash Outlays
(variable expenses): | | | | |
| Power | 749.74 | 166.50 | 68.25 | 984 |
| Equipment | 472.65 | 58.50 | 287.25 | 818 |
| Materials | 4,253.00 | 374.25 | -- | 4,627 |
| Labor | 1,620.00 | 699.75 | 99.75 | 2,420 |
| Contracts | 3,797.20 | 393.75 | 11.25 | 4,202 |
| All Variable | 10,892.59 | 1,692.75 | 466.50 | 13,052 |
| Cash Outlays
(fixed costs) | | | | |
| Taxes, Ins. | | | | |
| Oper. equip. | | | | 456 |
| Land | | | | 900 |
| Other real estate | | | | 156 |
| All fixed | | | | 1,512 |
| Total Cash Outlays | | | | 14,564 |
| NET CASH INCOME | | | | 17,270 |
| Depreciation | | | | |
| Oper. equip. (-) | | | | 1,140 |
| Real estate (-) | | | | 117 |
| Operator's labor (+) | | | | 2,000 |
| NET FARM INCOME | | | | 18,013 |
| Operator's labor (-) | | | | 2,800 |
| PROFIT | | | | 15,213 |
| PERCENT PROFIT | | | | 12.46 |
| Interest on capital ^{2/} | ^{1/} Units as follows: acres, number:
yield and production, hundredweight. | | | 7,326 |
| Oper. equip. | | | | (684) |
| Land | | | | (4,608) |
| Other real estate | | | | (2,034) |
| Total Real Estate | | | | (6,642) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | 7,887 |

^{2/} No interest charged on irrigation equipment; cost included under variable expense.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

IN BRIEF

1. The first step in the process of determining the value of a property is to determine the nature and extent of the interest in the property.

2. The second step is to determine the value of the property.

| Date | Description | Amount | Balance | Remarks |
|------|-------------|--------|---------|---------|
| 1911 | 1911 | 1911 | 1911 | 1911 |
| 1912 | 1912 | 1912 | 1912 | 1912 |
| 1913 | 1913 | 1913 | 1913 | 1913 |
| 1914 | 1914 | 1914 | 1914 | 1914 |
| 1915 | 1915 | 1915 | 1915 | 1915 |
| 1916 | 1916 | 1916 | 1916 | 1916 |
| 1917 | 1917 | 1917 | 1917 | 1917 |
| 1918 | 1918 | 1918 | 1918 | 1918 |
| 1919 | 1919 | 1919 | 1919 | 1919 |
| 1920 | 1920 | 1920 | 1920 | 1920 |
| 1921 | 1921 | 1921 | 1921 | 1921 |
| 1922 | 1922 | 1922 | 1922 | 1922 |
| 1923 | 1923 | 1923 | 1923 | 1923 |
| 1924 | 1924 | 1924 | 1924 | 1924 |
| 1925 | 1925 | 1925 | 1925 | 1925 |
| 1926 | 1926 | 1926 | 1926 | 1926 |
| 1927 | 1927 | 1927 | 1927 | 1927 |
| 1928 | 1928 | 1928 | 1928 | 1928 |
| 1929 | 1929 | 1929 | 1929 | 1929 |
| 1930 | 1930 | 1930 | 1930 | 1930 |
| 1931 | 1931 | 1931 | 1931 | 1931 |
| 1932 | 1932 | 1932 | 1932 | 1932 |
| 1933 | 1933 | 1933 | 1933 | 1933 |
| 1934 | 1934 | 1934 | 1934 | 1934 |
| 1935 | 1935 | 1935 | 1935 | 1935 |
| 1936 | 1936 | 1936 | 1936 | 1936 |
| 1937 | 1937 | 1937 | 1937 | 1937 |
| 1938 | 1938 | 1938 | 1938 | 1938 |
| 1939 | 1939 | 1939 | 1939 | 1939 |
| 1940 | 1940 | 1940 | 1940 | 1940 |
| 1941 | 1941 | 1941 | 1941 | 1941 |
| 1942 | 1942 | 1942 | 1942 | 1942 |
| 1943 | 1943 | 1943 | 1943 | 1943 |
| 1944 | 1944 | 1944 | 1944 | 1944 |
| 1945 | 1945 | 1945 | 1945 | 1945 |

The above is a summary of the information contained in the original document.

For further information, please refer to the original document.

TABLE 17

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 640-Acre Rice Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | Total farm |
|--------------------------------------|--|----------|----------|------------|
| | Rice | Barley | Fallow | |
| 1 | 2 | 3 | 4 | 5 |
| Acres ^{1/} | 300 | 100 | 200 | 600 |
| Yield ^{1/} | 43.5 | 20.0 | -- | -- |
| Production ^{1/} | 13,050 | 2,000 | -- | -- |
| Price | 4.38 | 2.17 | -- | -- |
| Gross receipts | 57,159.00 | 4,340.00 | | 61,499 |
| Cash Outlays
(variable expenses): | | | | |
| Power | 1,440.31 | 222.00 | 176.00 | 1,838 |
| Equipment | 887.25 | 60.00 | 714.00 | 1,661 |
| Materials | 8,506.80 | 485.00 | -- | 8,992 |
| Labor | 3,084.00 | 915.00 | 260.00 | 4,259 |
| Contracts | 6,159.00 | 510.00 | 30.00 | 6,699 |
| All Variable | 20,077.36 | 2,192.00 | 1,180.00 | 23,449 |
| Cash Outlays
(fixed costs) | | | | |
| Taxes, Ins. | | | | |
| Oper. equip. | | | | 1,032 |
| Land | | | | 1,800 |
| Other real estate | | | | 312 |
| All fixed | | | | 3,144 |
| Total Cash Outlays | | | | 26,593 |
| NET CASH INCOME | | | | 34,906 |
| Depreciation | | | | |
| Oper. equip. (-) | | | | 2,580 |
| Real estate (-) | | | | 234 |
| Operator's labor (+) | | | | 2,500 |
| NET FARM INCOME | | | | 34,592 |
| Operator's labor (-) | | | | 2,800 |
| PROFIT | | | | 31,792 |
| PERCENT PROFIT | | | | 12.86 |
| Interest on capital ^{2/} | ^{1/} Units as follows: acres, number;
yield and production, hundredweight. | | | 14,832 |
| Oper. equip. | | | | (1,548) |
| Land | | | | (9,216) |
| Other real estate | | | | (4,068) |
| Total Real Estate | | | | (13,284) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | 16,960 |

^{2/} No interest charged on irrigation equipment; cost included under variable expense.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 18

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 1280-Acre Rice Farm at 1959 Price Conditions

(In dollars)

| Items | Individual crops | | | Total farm |
|--------------------------------------|--|----------|----------|------------|
| | Rice | Barley | Fallow | |
| 1 | 2 | 3 | 4 | 5 |
| Acres ^{1/} | 600 | 200 | 400 | 1,200 |
| Yield ^{1/} | 43.5 | 20.0 | -- | -- |
| Production ^{1/} | 26,100 | 4,000 | -- | -- |
| Price | 4.38 | 2.17 | -- | -- |
| Gross receipts | 114,318.00 | 8,680.00 | -- | 122,998 |
| Cash Outlays
(variable expenses): | | | | |
| Power | 2,986.00 | 440.00 | 336.00 | 3,762 |
| Equipment | 1,563.45 | 78.00 | 1,220.00 | 2,861 |
| Materials | 17,013.60 | 920.00 | -- | 17,934 |
| Labor | 7,548.00 | 1,760.00 | 496.00 | 9,804 |
| Contracts | 14,250.50 | 950.00 | 52.00 | 15,252 |
| All Variable | 43,361.55 | 4,148.00 | 2,104.00 | 49,614 |
| Cash Outlays
(fixed costs) | | | | |
| Taxes, Ins. | | | | |
| Oper. equip. | | | | 1,536 |
| Land | | | | 3,600 |
| Other real estate | | | | 624 |
| All fixed | | | | 5,760 |
| Total Cash Outlays | | | | 55,374 |
| NET CASH INCOME | | | | 67,624 |
| Depreciation | | | | |
| Oper. equip. (-) | | | | 3,840 |
| Real estate (-) | | | | 468 |
| Operator's labor (+) | | | | -- |
| NET FARM INCOME | | | | 63,316 |
| Operator's labor (-) | | | | 2,800 |
| PROFIT | | | | 60,516 |
| PERCENT PROFIT | | | | 12.58 |
| Interest on capital ^{2/} | ^{1/} Units as follows: acres, number;
yield and production, hundredweight. | | | 28,872 |
| Oper. equip. | | | | (2,304) |
| Land | | | | (18,432) |
| Other real estate | | | | (8,136) |
| Total Real Estate | | | | (26,568) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | 31,644 |

^{2/} No interest charged on irrigation equipment; cost included under variable expense.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

RECEIVED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE
 THE FOLLOWING INFORMATION IS FOR YOUR INFORMATION

STATE OF TEXAS

| NAME | ADDRESS | CITY | COUNTY | STATE |
|--------------|----------------------|---------------|---------------|-------|
| J. M. Smith | 123 Main St. | Houston | Harris | TX |
| W. B. Jones | 456 Oak St. | Dallas | Dallas | TX |
| C. L. Brown | 789 Elm St. | Austin | Travis | TX |
| R. D. White | 101 Pine St. | San Antonio | Bexar | TX |
| M. E. Green | 234 Cedar St. | Fort Worth | Tarrant | TX |
| H. K. Black | 567 Maple St. | El Paso | El Paso | TX |
| L. P. Gray | 890 Birch St. | Phoenix | Maricopa | AZ |
| S. J. Hall | 112 Spruce St. | Denver | Denver | CO |
| T. A. Young | 345 Ash St. | Chicago | Cook | IL |
| K. R. King | 678 Hickory St. | New York | New York | NY |
| N. G. Lee | 901 Walnut St. | Los Angeles | Los Angeles | CA |
| B. F. Scott | 1234 Chestnut St. | Philadelphia | Philadelphia | PA |
| D. H. Adams | 5678 Broadway | San Francisco | San Francisco | CA |
| J. W. Baker | 9012 Market St. | Boston | Suffolk | MA |
| M. L. Carter | 3456 Union St. | Seattle | King | WA |
| R. E. Evans | 7890 Pacific St. | Portland | Multnomah | OR |
| L. B. Fisher | 12345 Franklin St. | San Diego | San Diego | CA |
| H. J. Gibson | 67890 Lincoln St. | Phoenix | Maricopa | AZ |
| S. M. Hart | 11223 Adams St. | Denver | Denver | CO |
| T. R. Hill | 45678 Jefferson St. | Chicago | Cook | IL |
| K. D. King | 90123 Washington St. | New York | New York | NY |
| N. F. Lee | 34567 Madison St. | Los Angeles | Los Angeles | CA |
| B. G. Scott | 78901 Kentucky St. | Philadelphia | Philadelphia | PA |
| D. A. Adams | 12345 Virginia St. | San Francisco | San Francisco | CA |

THIS INFORMATION IS FOR YOUR INFORMATION AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

THE UNITED STATES DEPARTMENT OF AGRICULTURE
 WASHINGTON, D. C. 20250

TABLE 19

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 2560-Acre Rice Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | Total farm |
|--------------------------------------|--|-----------|----------|------------|
| | Rice | Barley | Fallow | |
| 1 | 2 | 3 | 4 | 5 |
| Acres ^{1/} | 1,200 | 400 | 800 | 2,400 |
| Yield ^{1/} | 43.5 | 20.0 | -- | -- |
| Production ^{1/} | 52,200 | 8,000 | -- | -- |
| Price | 4.38 | 2.17 | -- | -- |
| Gross receipts | 228,636.00 | 17,360.00 | -- | 245,996 |
| Cash Outlays
(variable expenses): | | | | |
| Power | 6,000.00 | 880.00 | 592.00 | 7,472 |
| Equipment | 2,280.00 | 156.00 | 1,680.00 | 4,116 |
| Materials | 34,200.00 | 1,640.00 | -- | 35,840 |
| Labor | 18,000.00 | 3,064.00 | 896.00 | 21,960 |
| Contracts | 26,340.00 | 1,600.00 | 80.00 | 28,020 |
| All Variable | 86,820.00 | 7,340.00 | 3,248.00 | 97,408 |
| Cash Outlays
(fixed costs) | | | | |
| Taxes, Ins. | | | | |
| Oper. equip. | | | | 3,360 |
| Land | | | | 7,200 |
| Other real estate | | | | 1,056 |
| All fixed | | | | 11,616 |
| Total Cash Outlays | | | | 109,024 |
| NET CASH INCOME | | | | 136,972 |
| Depreciation | | | | |
| Oper. equip. (-) | | | | 8,400 |
| Real estate (-) | | | | 792 |
| Operator's labor (+) | | | | -- |
| NET FARM INCOME | | | | 127,780 |
| Operator's labor (-) | | | | 2,800 |
| PROFIT | | | | 124,980 |
| PERCENT PROFIT | | | | 12.95 |
| Interest on capital ^{2/} | ^{1/} Units as follows: acres, number;
yield and production, hundredweight. | | | 57,888 |
| Oper. equip. | | | | (5,040) |
| Land | | | | (36,864) |
| Other real estate | | | | (15,984) |
| Total Real Estate | | | | (52,848) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | 67,092 |

^{2/} No interest charged on irrigation equipment; cost included under variable expense.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

TABLE 20

Estimated California Wheat Crop Farm Investments by Size;
Real Estate and Operating Equipment, 1959 Prices

(In dollars)

| | 320-Acre | | 640-Acre | | 1280-Acre | | 2560-Acre | |
|--------------------|------------------|--------|------------------|---------|------------------|---------|------------------|---------|
| | Per crop
acre | Total | Per crop
acre | Total | Per crop
acre | Total | Per crop
acre | Total |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Land ^{1/} | 200 | 64,000 | 200 | 128,000 | 200 | 256,000 | 200 | 512,000 |
| Structures | 13 | 3,250 | 13 | 6,175 | 13 | 12,350 | 11 | 19,800 |
| Land leveling | | | | | | | | |
| Irrigation | | | | | | | | |
| Subtotal | 13 | 3,250 | 13 | 6,175 | 13 | 12,350 | 11 | 19,800 |
| All Real Estate | 213 | 67,250 | 213 | 134,175 | 213 | 268,350 | 211 | 531,800 |
| Power | 15 | 3,750 | 18 | 8,550 | 14 | 13,300 | 17 | 30,600 |
| Earth moving | 1 | 250 | 1 | 475 | ^{2/} | | | |
| Seedbed | 3 | 750 | 4 | 1,900 | 3 | 2,850 | 3 | 5,400 |
| Grain | 16 | 4,000 | 16 | 7,600 | 11 | 10,450 | 6 | 10,800 |
| Subtotal | 35 | 8,750 | 39 | 18,525 | 28 | 26,600 | 26 | 46,800 |
| TOTAL | 248 | 76,000 | 252 | 152,700 | 241 | 294,950 | 237 | 578,600 |

^{1/} Per farm acre.

^{2/} Less than one dollar.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

Table 1

Table 1 shows the results of the analysis of variance for the different treatments.

Table 1

| Treatment | Mean | | Standard Error | | t-value | | Significance | |
|--------------|------|-----|----------------|-----|---------|-----|--------------|-----|
| | Mean | SE | Mean | SE | t-value | SE | Significance | SE |
| Control | 10.0 | 0.5 | 10.0 | 0.5 | 0.0 | 0.5 | 0.0 | 0.5 |
| Treatment 1 | 12.0 | 0.5 | 12.0 | 0.5 | 2.0 | 0.5 | 0.05 | 0.5 |
| Treatment 2 | 14.0 | 0.5 | 14.0 | 0.5 | 4.0 | 0.5 | 0.001 | 0.5 |
| Treatment 3 | 16.0 | 0.5 | 16.0 | 0.5 | 6.0 | 0.5 | 0.0001 | 0.5 |
| Treatment 4 | 18.0 | 0.5 | 18.0 | 0.5 | 8.0 | 0.5 | 0.0001 | 0.5 |
| Treatment 5 | 20.0 | 0.5 | 20.0 | 0.5 | 10.0 | 0.5 | 0.0001 | 0.5 |
| Treatment 6 | 22.0 | 0.5 | 22.0 | 0.5 | 12.0 | 0.5 | 0.0001 | 0.5 |
| Treatment 7 | 24.0 | 0.5 | 24.0 | 0.5 | 14.0 | 0.5 | 0.0001 | 0.5 |
| Treatment 8 | 26.0 | 0.5 | 26.0 | 0.5 | 16.0 | 0.5 | 0.0001 | 0.5 |
| Treatment 9 | 28.0 | 0.5 | 28.0 | 0.5 | 18.0 | 0.5 | 0.0001 | 0.5 |
| Treatment 10 | 30.0 | 0.5 | 30.0 | 0.5 | 20.0 | 0.5 | 0.0001 | 0.5 |

Table 1

Table 1

Table 1 shows the results of the analysis of variance for the different treatments.

TABLE 21

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 320-Acre Wheat Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | Total farm |
|--------------------------------------|---|--------|------------|
| | Wheat | Fallow | |
| 1 | 2 | 3 | 4 |
| Acres ^{1/} | 150 | 100 | 250 |
| Yield ^{1/} | 13.0 | -- | -- |
| Production ^{1/} | 1,950.0 | -- | -- |
| Price | 3.27 | -- | -- |
| Gross receipts | 6,376.50 | -- | 6,376 |
| Cash Outlays
(variable expenses): | | | |
| Power | 333.00 | 91.00 | 424 |
| Equipment | 117.00 | 383.00 | 500 |
| Materials | 1,120.50 | -- | 1,120 |
| Labor | 1,399.50 | 133.00 | 1,532 |
| Contracts | 787.50 | 15.00 | 802 |
| All Variable | 3,757.50 | 622.00 | 4,379 |
| Cash Outlays
(fixed costs) | | | |
| Taxes, Ins. | | | 350 |
| Oper. equip. | | | 500 |
| Land | | | 130 |
| Other real estate | | | 980 |
| All fixed | | | 5,359 |
| <u>Total Cash Outlays</u> | | | 1,017 |
| NET CASH INCOME | | | |
| <u>Depreciation</u> | | | |
| Oper. equip. (-) | | | 875 |
| Real estate (-) | | | 98 |
| <u>Operator's labor (+)</u> | | | 1,500 |
| NET FARM INCOME | | | 1,544 |
| <u>Operator's labor (-)</u> | | | 2,800 |
| PROFIT | | | -1,256 |
| PERCENT PROFIT | | | - 1.65 |
| <u>Interest on capital</u> | ^{1/} Units as follows: acres,
number; yield and production,
hundredweight. | | 6,060 |
| Oper. equip. | | | (525) |
| Land | | | (3,840) |
| Other real estate | | | (1,695) |
| Total Real Estate | | | (5,535) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | -7,316 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

[REDACTED]

Statement of the Board of Directors of the [REDACTED] Company, Inc., for the year ended December 31, 1954.

[REDACTED]

| Assets | Liabilities | Equity | Total |
|--------------------------------|-----------------------|--------------------------|-------|
| Cash and cash equivalents | Accounts payable | Common stock | Total |
| Accounts receivable | Notes payable | Preferred stock | Total |
| Inventories | Long-term debt | Retained earnings | Total |
| Property, plant, and equipment | Other liabilities | Accumulated depreciation | Total |
| Intangible assets | Deferred income taxes | Minority interest | Total |
| Total assets | Total liabilities | Total equity | Total |
| Cash and cash equivalents | Accounts payable | Common stock | Total |
| Accounts receivable | Notes payable | Preferred stock | Total |
| Inventories | Long-term debt | Retained earnings | Total |
| Property, plant, and equipment | Other liabilities | Accumulated depreciation | Total |
| Intangible assets | Deferred income taxes | Minority interest | Total |
| Total assets | Total liabilities | Total equity | Total |
| Cash and cash equivalents | Accounts payable | Common stock | Total |
| Accounts receivable | Notes payable | Preferred stock | Total |
| Inventories | Long-term debt | Retained earnings | Total |

The accompanying notes are an integral part of these financial statements.

TABLE 22

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 640-Acre Wheat Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | Total
farm |
|--------------------------------------|---|--------|---------------|
| | Wheat | Fallow | |
| 1 | 2 | 3 | 4 |
| Acres ^{1/} | 320 | 155 | 475 |
| Yield ^{1/} | 13.0 | -- | -- |
| Production ^{1/} | 4,160 | -- | -- |
| Price | 3.27 | -- | -- |
| Gross receipts | 13,603.20 | -- | 13,603 |
| Cash Outlays
(variable expenses): | | | |
| Power | 710.40 | 136.40 | 847 |
| Equipment | 192.00 | 553.35 | 745 |
| Materials | 2,304.00 | -- | 2,304 |
| Labor | 2,918.40 | 201.50 | 3,120 |
| Contracts | 1,632.00 | 23.25 | 1,655 |
| All Variable | 7,756.80 | 914.50 | 8,671 |
| Cash Outlays
(fixed costs) | | | |
| Taxes, Ins. | | | |
| Oper. equip. | | | 741 |
| Land | | | 950 |
| Other real estate | | | 247 |
| All fixed | | | 1,938 |
| Total Cash Outlays | | | 10,609 |
| NET CASH INCOME | | | 2,994 |
| Depreciation | | | |
| Oper. equip. (-) | | | 1,852 |
| Real estate (-) | | | 185 |
| Operator's labor (+) | | | 2,500 |
| NET FARM INCOME | | | 3,457 |
| Operator's labor (-) | | | 2,800 |
| PROFIT | | | 657 |
| PERCENT PROFIT | | | 0.43 |
| Interest on capital | ^{1/} Units as follows: acres,
number; yield and production,
hundredweight. | | 12,012 |
| Oper. equip. | | | (1,112) |
| Land | | | (7,680) |
| Other real estate | | | (3,220) |
| Total Real Estate | | | (10,990) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | -11,355 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 2

Estimated Gross Receipts, Net (Variable Expenses and Fixed Costs), and Payments for 40-Week Year at 1952 Price Conditions

(in dollars)

| Item | Estimated Gross Receipts | Estimated Net (Variable Expenses and Fixed Costs) | Estimated Payments |
|--------------------|--------------------------|---|--------------------|
| 1. Milk | 100.00 | 100.00 | 100.00 |
| 2. Cream | 100.00 | 100.00 | 100.00 |
| 3. Butter | 100.00 | 100.00 | 100.00 |
| 4. Cheese | 100.00 | 100.00 | 100.00 |
| 5. Eggs | 100.00 | 100.00 | 100.00 |
| 6. Poultry | 100.00 | 100.00 | 100.00 |
| 7. Hides and skins | 100.00 | 100.00 | 100.00 |
| 8. Manure | 100.00 | 100.00 | 100.00 |
| 9. Other products | 100.00 | 100.00 | 100.00 |
| 10. Total | 100.00 | 100.00 | 100.00 |

TABLE 23

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 1280-Acre Wheat Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | Total farm |
|--------------------------------------|---|----------|------------|
| | Wheat | Fallow | |
| 1 | 2 | 3 | 4 |
| Acres ^{1/} | 600 | 350 | 950 |
| Yield ^{1/} | 13.0 | -- | -- |
| Production ^{1/} | 7,800 | -- | -- |
| Price | 3.27 | -- | -- |
| Gross receipts | 25,506.00 | -- | 25,506 |
| Cash Outlays
(variable expenses): | | | |
| Power | 1,320.00 | 294.00 | 1,614 |
| Equipment | 234.00 | 1,067.50 | 1,302 |
| Materials | 4,164.00 | -- | 4,164 |
| Labor | 5,250.00 | 434.00 | 5,684 |
| Contracts | 2,850.00 | 45.50 | 2,896 |
| All Variable | 13,818 | 1,841.00 | 15,659 |
| Cash Outlays
(fixed costs) | | | |
| Taxes, Ins. | | | |
| Oper. equip. | | | 1,064 |
| Land | | | 1,900 |
| Other real estate | | | 494 |
| All fixed | | | 3,458 |
| Total Cash Outlays | | | 19,117 |
| NET CASH INCOME | | | 6,389 |
| Depreciation | | | |
| Oper. equip. (-) | | | 2,660 |
| Real estate (-) | | | 370 |
| Operator's labor (+) | | | 2,800 |
| NET FARM INCOME | | | 6,159 |
| Operator's labor (-) | | | 2,800 |
| PROFIT | | | 3,359 |
| PERCENT PROFIT | | | 1.14 |
| Interest on capital | ^{1/} Units as follows: acres,
number; yield and production,
hundredweight. | | 23,397 |
| Oper. equip. | | | (1,596) |
| Land | | | (15,360) |
| Other real estate | | | (6,441) |
| Total Real Estate | | | (21,801) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | -20,038 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

1900

THE FOLLOWING TABLES SHOW THE RESULTS OF THE INVESTIGATION OF THE
 CAUSES OF THE ACCIDENTS WHICH OCCURRED IN THE YEAR 1900.

TABLE I.

| CAUSE OF ACCIDENT | | | NUMBER OF ACCIDENTS |
|-------------------|--------------------|-------------------|---------------------|
| CLASS OF ACCIDENT | CAUSE OF ACCIDENT | CAUSE OF ACCIDENT | |
| FALLS | Slipping | Tripping | 10 |
| | Loss of footing | Obstruction | 5 |
| | Wet or icy surface | Loose floor | 3 |
| COLLISIONS | Running into | Striking | 15 |
| | Striking | Running into | 10 |
| | Obstruction | Loose floor | 5 |
| FIRE | Overheating | Short circuit | 8 |
| | Overloading | Defective wiring | 5 |
| | Defective wiring | Overheating | 3 |
| EXPLOSIONS | Overheating | Short circuit | 12 |
| | Overloading | Defective wiring | 8 |
| | Defective wiring | Overheating | 5 |
| DROWNING | Overheating | Short circuit | 10 |
| | Overloading | Defective wiring | 5 |
| | Defective wiring | Overheating | 3 |
| POISONING | Overheating | Short circuit | 8 |
| | Overloading | Defective wiring | 5 |
| | Defective wiring | Overheating | 3 |
| OTHER | Overheating | Short circuit | 10 |
| | Overloading | Defective wiring | 5 |
| | Defective wiring | Overheating | 3 |

THE FOLLOWING TABLES SHOW THE RESULTS OF THE INVESTIGATION OF THE CAUSES OF THE ACCIDENTS WHICH OCCURRED IN THE YEAR 1900.

TABLE 24

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 2560-Acre Wheat Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | Total farm |
|--------------------------------------|---|----------|------------|
| | Wheat | Fallow | |
| 2 | 2 | 3 | 4 |
| Acres ^{1/} | 1,000 | 800 | 1,800 |
| Yield ^{1/} | 13.0 | -- | -- |
| Production ^{1/} | 13,000 | -- | -- |
| Price | 3.27 | -- | -- |
| Gross receipts | 42,510.00 | | 42,510 |
| Cash Outlays
(variable expenses): | | | |
| Power | 2,200 | 592.00 | 2,792 |
| Equipment | 390 | 1,680.00 | 2,070 |
| Materials | 6,180.00 | -- | 6,180 |
| Labor | 7,680.00 | 896.00 | 8,576 |
| Contracts | 4,000 | 80.00 | 4,080 |
| All Variable | 20,450.00 | 3,248.00 | 23,698 |
| Cash Outlays
(fixed costs) | | | |
| Taxes, Ins. | | | 1,872 |
| Oper. equip. | | | 3,600 |
| Land | | | 792 |
| Other real estate | | | 6,264 |
| All fixed | | | 29,962 |
| Total Cash Outlays | | | 12,548 |
| NET CASH INCOME | | | |
| Depreciation | | | |
| Oper. equip. (-) | | | 4,680 |
| Real estate (-) | | | 594 |
| Operator's labor (+) | | | -- |
| NET FARM INCOME | | | 7,274 |
| Operator's labor (-) | | | 2,800 |
| PROFIT | | | 4,474 |
| PERCENT PROFIT | | | 0.77 |
| Interest on capital | ^{1/} Units as follows: acres,
number; yield and production,
hundredweight. | | 45,516 |
| Oper. equip. | | | (2,808) |
| Land | | | (30,720) |
| Other real estate | | | (11,988) |
| Total Real Estate | | | (42,708) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | -41,042 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

(Note: This document is classified "Secret" and should be handled accordingly. It contains information of a confidential nature and is not to be distributed outside the authorized personnel.)

| General Information | | | Remarks |
|---------------------|-------------|----------|---------|
| Item No. | Description | Quantity | |
| 000.1 | ... | ... | ... |
| 000.2 | ... | ... | ... |
| 000.3 | ... | ... | ... |
| 000.4 | ... | ... | ... |
| 000.5 | ... | ... | ... |
| 000.6 | ... | ... | ... |
| 000.7 | ... | ... | ... |
| 000.8 | ... | ... | ... |
| 000.9 | ... | ... | ... |
| 000.10 | ... | ... | ... |
| 000.11 | ... | ... | ... |
| 000.12 | ... | ... | ... |
| 000.13 | ... | ... | ... |
| 000.14 | ... | ... | ... |
| 000.15 | ... | ... | ... |
| 000.16 | ... | ... | ... |
| 000.17 | ... | ... | ... |
| 000.18 | ... | ... | ... |
| 000.19 | ... | ... | ... |
| 000.20 | ... | ... | ... |
| 000.21 | ... | ... | ... |
| 000.22 | ... | ... | ... |
| 000.23 | ... | ... | ... |
| 000.24 | ... | ... | ... |
| 000.25 | ... | ... | ... |
| 000.26 | ... | ... | ... |
| 000.27 | ... | ... | ... |
| 000.28 | ... | ... | ... |
| 000.29 | ... | ... | ... |
| 000.30 | ... | ... | ... |
| 000.31 | ... | ... | ... |
| 000.32 | ... | ... | ... |
| 000.33 | ... | ... | ... |
| 000.34 | ... | ... | ... |
| 000.35 | ... | ... | ... |
| 000.36 | ... | ... | ... |
| 000.37 | ... | ... | ... |
| 000.38 | ... | ... | ... |
| 000.39 | ... | ... | ... |
| 000.40 | ... | ... | ... |
| 000.41 | ... | ... | ... |
| 000.42 | ... | ... | ... |
| 000.43 | ... | ... | ... |
| 000.44 | ... | ... | ... |
| 000.45 | ... | ... | ... |
| 000.46 | ... | ... | ... |
| 000.47 | ... | ... | ... |
| 000.48 | ... | ... | ... |
| 000.49 | ... | ... | ... |
| 000.50 | ... | ... | ... |

This document is classified "Secret" and should be handled accordingly. It contains information of a confidential nature and is not to be distributed outside the authorized personnel.

TABLE 25

Estimated California Barley Farm Investments by Size;
Real Estate and Operating Equipment, 1959 Prices

(In dollars)

| | 320-Acre | | 640-Acre | | 1280-Acre | | 2560-Acre | |
|--------------------|------------------|--------|------------------|---------|------------------|---------|------------------|---------|
| | Per crop
acre | Total | Per crop
acre | Total | Per crop
acre | Total | Per crop
acre | Total |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Land ^{1/} | 200 | 64,000 | 200 | 128,000 | 200 | 256,000 | 200 | 512,000 |
| Structures | 13 | 3,250 | 13 | 6,500 | 13 | 13,000 | 11 | 20,900 |
| Land leveling | | | | | | | | |
| Irrigation | | | | | | | | |
| Subtotal | 13 | 3,250 | 13 | 6,500 | 13 | 13,000 | 11 | 20,900 |
| All Real Estate | 213 | 67,250 | 213 | 134,500 | 213 | 269,000 | 211 | 532,900 |
| Power | 15 | 3,750 | 18 | 9,000 | 14 | 14,000 | 17 | 32,300 |
| Earth moving | 1 | 250 | 1 | 500 | | | | |
| Seedbed | 3 | 750 | 4 | 2,000 | 3 | 3,000 | 3 | 5,700 |
| Grain | 16 | 4,000 | 16 | 8,000 | 11 | 11,000 | 6 | 11,400 |
| Subtotal | 35 | 8,750 | 39 | 19,500 | 28 | 28,000 | 26 | 49,400 |
| TOTAL | 248 | 76,000 | 252 | 154,000 | 241 | 297,000 | 237 | 582,300 |

^{1/} Per farm acre.

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

THE UNIVERSITY OF CHICAGO
 DIVISION OF PHYSICS
 DEPARTMENT OF PHYSICS

PHYSICS 101

| UNITED STATES DEPARTMENT OF AGRICULTURE | | | | | | | | | | BUREAU OF PLANT INDUSTRY | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT INDUSTRY DIVISION | | | | | | | | | | PLANT | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|
|---|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|

THE UNIVERSITY OF CHICAGO
 DIVISION OF PHYSICS
 DEPARTMENT OF PHYSICS

TABLE 26

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 320-Acre Barley Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | Total farm |
|--------------------------------------|--|----------|------------|
| | Barley | Gr. hay | |
| 1 | 2 | 3 | 4 |
| Acres ^{1/} | 175 | 75 | 250 |
| Yield ^{1/} | 20.0 | 1.7 | -- |
| Production ^{1/} | 3,500 | 127.5 | -- |
| Price | 2.17 | 20.10 | -- |
| Gross receipts | 7,595.00 | 2,562.75 | 10,158 |
| Cash Outlays
(variable expenses): | | | |
| Power | 388.50 | 166.50 | 555 |
| Equipment | 136.50 | 58.50 | 195 |
| Materials | 873.25 | 374.25 | 1,248 |
| Labor | 1,632.75 | 699.75 | 2,332 |
| Contracts | 918.75 | 825.00 | 1,744 |
| All Variable | 3,949.75 | 2,124.00 | 6,074 |
| Cash Outlays
(fixed costs) | | | |
| Taxes, Ins. | | | |
| Oper. equip. | | | 350 |
| Land | | | 500 |
| Other real estate | | | 130 |
| All fixed | | | 980 |
| Total Cash Outlays | | | 7,054 |
| NET CASH INCOME | | | 3,104 |
| Depreciation | | | |
| Oper. equip. (-) | | | 875 |
| Real estate (-) | | | 98 |
| Operator's labor (+) | | | 2,000 |
| NET FARM INCOME | | | 4,131 |
| Operator's labor (-) | | | 2,800 |
| PROFIT | | | 1,331 |
| PERCENT PROFIT | | | 1.75 |
| Interest on capital | ^{1/} Units as follows: acres,
number; yield and production,
grain in hundredweight, hay in
tons. | | 6,060 |
| Oper. equip. | | | (525) |
| Land | | | (3,840) |
| Other real estate | | | (1,695) |
| Total Real Estate | | | (5,535) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | -4,729 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs), and Net Income (Loss) for the Year Ended 1964

| 1964 | 1963 | 1962 | 1961 | 1960 |
|-------------------|--------|--------|--------|--------|
| Gross Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Variable Expenses | 25.00 | 25.00 | 25.00 | 25.00 |
| Fixed Costs | 15.00 | 15.00 | 15.00 | 15.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |
| Total Receipts | 100.00 | 100.00 | 100.00 | 100.00 |
| Total Expenses | 40.00 | 40.00 | 40.00 | 40.00 |
| Net Income (Loss) | 60.00 | 60.00 | 60.00 | 60.00 |

Source: Bureau of Economic Analysis, Department of Commerce, Bureau of Economic Analysis, Washington, D.C.

TABLE 27

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 640-Acre Barley Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | Total farm |
|--------------------------------------|--|----------|--------|------------|
| | Barley | Gr. hay | Fallow | |
| 1 | 2 | 3 | 4 | 5 |
| Acres ^{1/} | 250 | 100 | 150 | 500 |
| Yield ^{1/} | 20.0 | 1.7 | -- | -- |
| Production ^{1/} | 5,000 | 170.0 | -- | -- |
| Price | 2.17 | 20.10 | -- | -- |
| Gross receipts | 10,850.00 | 3,417.00 | -- | 14,267 |
| Cash Outlays
(variable expenses): | | | | |
| Power | 555.00 | 222.00 | 132.00 | 909 |
| Equipment | 150.00 | 60.00 | 535.50 | 746 |
| Materials | 1,212.50 | 485.00 | -- | 1,698 |
| Labor | 2,287.50 | 915.00 | 195.00 | 3,398 |
| Contracts | 1,275.00 | 1,088.00 | 22.50 | 2,386 |
| All Variable | 5,480.00 | 2,770.00 | 885.00 | 9,135 |
| Cash Outlays
(fixed costs) | | | | |
| Taxes, Ins. | | | | 780 |
| Oper. equip. | | | | 1,000 |
| Land | | | | 260 |
| Other real estate | | | | |
| All fixed | | | | 2,040 |
| Total Cash Outlays | | | | 11,175 |
| NET CASH INCOME | | | | 3,092 |
| Depreciation | | | | |
| Oper. equip. (-) | | | | 1,950 |
| Real estate (-) | | | | 195 |
| Operator's labor (+) | | | | 2,500 |
| NET FARM INCOME | | | | 3,447 |
| Operator's labor (-) | | | | 2,800 |
| PROFIT | | | | 647 |
| PERCENT PROFIT | | | | 0.42 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, grain in hundred-weight, hay in tons. | | | 12,240 |
| Oper. equip. | | | | (1,170) |
| Land | | | | (7,680) |
| Other real estate | | | | (3,390) |
| Total Real Estate | | | | (11,070) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | -11,593 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

TABLE 28

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 1280-Acre Barley Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | Total farm |
|--------------------------------------|--|----------|----------|------------|
| | Barley | Gr. hay | Fallow | |
| 1 | 2 | 3 | 4 | 5 |
| Acres ^{1/} | 500 | 150 | 350 | 1,000 |
| Yield ^{1/} | 20.0 | 1.7 | -- | -- |
| Production ^{1/} | 10,000 | 255.0 | -- | -- |
| Price | 2.17 | 20.10 | -- | -- |
| Gross receipts | 21,700.00 | 5,125.50 | -- | 26,826 |
| Cash Outlays
(variable expenses): | | | | |
| Power | 1,100.00 | 330.00 | 294.00 | 1,724 |
| Equipment | 200.00 | 60.00 | 1,067.50 | 1,328 |
| Materials | 2,300.00 | 690.00 | -- | 2,990 |
| Labor | 4,400.00 | 1,320.00 | 434.00 | 6,154 |
| Contracts | 2,375.00 | 1,590.00 | 45.50 | 4,010 |
| All Variable | 10,375.00 | 3,990.00 | 1,841.00 | 16,206 |
| Cash Outlays
(fixed costs) | | | | |
| Taxes, Ins. | | | | 1,120 |
| Oper. equip. | | | | 2,000 |
| Land | | | | 520 |
| Other real estate | | | | 3,640 |
| All fixed | | | | 19,846 |
| Total Cash Outlays | | | | 6,980 |
| NET CASH INCOME | | | | |
| Depreciation | | | | |
| Oper. equip. (-) | | | | 2,800 |
| Real estate (-) | | | | 390 |
| Operator's labor (+) | | | | 2,800 |
| NET FARM INCOME | | | | 6,590 |
| Operator's labor (-) | | | | 2,800 |
| PROFIT | | | | 3,790 |
| PERCENT PROFIT | | | | 1.28 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, grain in hundred-weight, hay in tons. | | | 23,820 |
| Oper. equip. | | | | (1,680) |
| Land | | | | (15,360) |
| Other real estate | | | | (6,780) |
| Total Real Estate | | | | (22,140) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | -20,030 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

Approved: _____
 Date: _____

(Continued)

| Item | Quantity | Unit Price | Total Price | Remarks |
|---------|----------|------------|-------------|---------|
| 100.0 | 1.00 | 1.00 | 1.00 | |
| 100.1 | 1.00 | 1.00 | 1.00 | |
| 100.2 | 1.00 | 1.00 | 1.00 | |
| 100.3 | 1.00 | 1.00 | 1.00 | |
| 100.4 | 1.00 | 1.00 | 1.00 | |
| 100.5 | 1.00 | 1.00 | 1.00 | |
| 100.6 | 1.00 | 1.00 | 1.00 | |
| 100.7 | 1.00 | 1.00 | 1.00 | |
| 100.8 | 1.00 | 1.00 | 1.00 | |
| 100.9 | 1.00 | 1.00 | 1.00 | |
| 100.10 | 1.00 | 1.00 | 1.00 | |
| 100.11 | 1.00 | 1.00 | 1.00 | |
| 100.12 | 1.00 | 1.00 | 1.00 | |
| 100.13 | 1.00 | 1.00 | 1.00 | |
| 100.14 | 1.00 | 1.00 | 1.00 | |
| 100.15 | 1.00 | 1.00 | 1.00 | |
| 100.16 | 1.00 | 1.00 | 1.00 | |
| 100.17 | 1.00 | 1.00 | 1.00 | |
| 100.18 | 1.00 | 1.00 | 1.00 | |
| 100.19 | 1.00 | 1.00 | 1.00 | |
| 100.20 | 1.00 | 1.00 | 1.00 | |
| 100.21 | 1.00 | 1.00 | 1.00 | |
| 100.22 | 1.00 | 1.00 | 1.00 | |
| 100.23 | 1.00 | 1.00 | 1.00 | |
| 100.24 | 1.00 | 1.00 | 1.00 | |
| 100.25 | 1.00 | 1.00 | 1.00 | |
| 100.26 | 1.00 | 1.00 | 1.00 | |
| 100.27 | 1.00 | 1.00 | 1.00 | |
| 100.28 | 1.00 | 1.00 | 1.00 | |
| 100.29 | 1.00 | 1.00 | 1.00 | |
| 100.30 | 1.00 | 1.00 | 1.00 | |
| 100.31 | 1.00 | 1.00 | 1.00 | |
| 100.32 | 1.00 | 1.00 | 1.00 | |
| 100.33 | 1.00 | 1.00 | 1.00 | |
| 100.34 | 1.00 | 1.00 | 1.00 | |
| 100.35 | 1.00 | 1.00 | 1.00 | |
| 100.36 | 1.00 | 1.00 | 1.00 | |
| 100.37 | 1.00 | 1.00 | 1.00 | |
| 100.38 | 1.00 | 1.00 | 1.00 | |
| 100.39 | 1.00 | 1.00 | 1.00 | |
| 100.40 | 1.00 | 1.00 | 1.00 | |
| 100.41 | 1.00 | 1.00 | 1.00 | |
| 100.42 | 1.00 | 1.00 | 1.00 | |
| 100.43 | 1.00 | 1.00 | 1.00 | |
| 100.44 | 1.00 | 1.00 | 1.00 | |
| 100.45 | 1.00 | 1.00 | 1.00 | |
| 100.46 | 1.00 | 1.00 | 1.00 | |
| 100.47 | 1.00 | 1.00 | 1.00 | |
| 100.48 | 1.00 | 1.00 | 1.00 | |
| 100.49 | 1.00 | 1.00 | 1.00 | |
| 100.50 | 1.00 | 1.00 | 1.00 | |
| 100.51 | 1.00 | 1.00 | 1.00 | |
| 100.52 | 1.00 | 1.00 | 1.00 | |
| 100.53 | 1.00 | 1.00 | 1.00 | |
| 100.54 | 1.00 | 1.00 | 1.00 | |
| 100.55 | 1.00 | 1.00 | 1.00 | |
| 100.56 | 1.00 | 1.00 | 1.00 | |
| 100.57 | 1.00 | 1.00 | 1.00 | |
| 100.58 | 1.00 | 1.00 | 1.00 | |
| 100.59 | 1.00 | 1.00 | 1.00 | |
| 100.60 | 1.00 | 1.00 | 1.00 | |
| 100.61 | 1.00 | 1.00 | 1.00 | |
| 100.62 | 1.00 | 1.00 | 1.00 | |
| 100.63 | 1.00 | 1.00 | 1.00 | |
| 100.64 | 1.00 | 1.00 | 1.00 | |
| 100.65 | 1.00 | 1.00 | 1.00 | |
| 100.66 | 1.00 | 1.00 | 1.00 | |
| 100.67 | 1.00 | 1.00 | 1.00 | |
| 100.68 | 1.00 | 1.00 | 1.00 | |
| 100.69 | 1.00 | 1.00 | 1.00 | |
| 100.70 | 1.00 | 1.00 | 1.00 | |
| 100.71 | 1.00 | 1.00 | 1.00 | |
| 100.72 | 1.00 | 1.00 | 1.00 | |
| 100.73 | 1.00 | 1.00 | 1.00 | |
| 100.74 | 1.00 | 1.00 | 1.00 | |
| 100.75 | 1.00 | 1.00 | 1.00 | |
| 100.76 | 1.00 | 1.00 | 1.00 | |
| 100.77 | 1.00 | 1.00 | 1.00 | |
| 100.78 | 1.00 | 1.00 | 1.00 | |
| 100.79 | 1.00 | 1.00 | 1.00 | |
| 100.80 | 1.00 | 1.00 | 1.00 | |
| 100.81 | 1.00 | 1.00 | 1.00 | |
| 100.82 | 1.00 | 1.00 | 1.00 | |
| 100.83 | 1.00 | 1.00 | 1.00 | |
| 100.84 | 1.00 | 1.00 | 1.00 | |
| 100.85 | 1.00 | 1.00 | 1.00 | |
| 100.86 | 1.00 | 1.00 | 1.00 | |
| 100.87 | 1.00 | 1.00 | 1.00 | |
| 100.88 | 1.00 | 1.00 | 1.00 | |
| 100.89 | 1.00 | 1.00 | 1.00 | |
| 100.90 | 1.00 | 1.00 | 1.00 | |
| 100.91 | 1.00 | 1.00 | 1.00 | |
| 100.92 | 1.00 | 1.00 | 1.00 | |
| 100.93 | 1.00 | 1.00 | 1.00 | |
| 100.94 | 1.00 | 1.00 | 1.00 | |
| 100.95 | 1.00 | 1.00 | 1.00 | |
| 100.96 | 1.00 | 1.00 | 1.00 | |
| 100.97 | 1.00 | 1.00 | 1.00 | |
| 100.98 | 1.00 | 1.00 | 1.00 | |
| 100.99 | 1.00 | 1.00 | 1.00 | |
| 100.100 | 1.00 | 1.00 | 1.00 | |

Approved: _____
 Date: _____

TABLE 29

Estimated Gross Receipts, Costs (Variable Expenses and Fixed Costs),
and Earnings for 2560-Acre Barley Farm at 1959 Price Conditions

(In dollars)

| Item | Individual crops | | | Total farm |
|--------------------------------------|--|-----------|----------|------------|
| | Barley | Gr. hay | Fallow | |
| 1 | 2 | 3 | 4 | 5 |
| Acres ^{1/} | 900 | 350 | 650 | 1,900 |
| Yield ^{1/} | 20.0 | 1.7 | -- | -- |
| Production ^{1/} | 18,000 | 595 | -- | -- |
| Price | 2.17 | 20.10 | -- | -- |
| Gross receipts | 39,060.00 | 11,959.50 | -- | 51,020 |
| Cash Outlays
(variable expenses): | | | | |
| Power | 1,980.00 | 770.00 | 481.00 | 3,231 |
| Equipment | 351.00 | 136.50 | 1,365.00 | 1,852 |
| Materials | 3,717.00 | 1,445.50 | -- | 5,162 |
| Labor | 6,912.00 | 2,688.00 | 728.00 | 10,328 |
| Contracts | 3,600.00 | 3,535.00 | 65.00 | 7,200 |
| All Variable | 16,560.00 | 8,575.00 | 2,639.00 | 27,774 |
| Cash Outlays
(fixed costs) | | | | |
| Taxes, Ins. | | | | |
| Oper. equip | | | | 1,976 |
| Land | | | | 3,800 |
| Other real estate | | | | 836 |
| All fixed | | | | 6,612 |
| Total Cash Outlays | | | | 34,386 |
| NET CASH INCOME | | | | 16,634 |
| Depreciation | | | | |
| Oper. equip. (-) | | | | 4,940 |
| Real estate (-) | | | | 627 |
| Operator's labor (+) | | | | -- |
| NET FARM INCOME | | | | 11,067 |
| Operator's labor (-) | | | | 2,800 |
| PROFIT | | | | 8,267 |
| PERCENT PROFIT | | | | 1.42 |
| Interest on capital | ^{1/} Units as follows: acres, number; yield and production, grain in hundred-weight, hay in tons. | | | 47,338 |
| Oper. equip. | | | | (3,964) |
| Land | | | | (30,720) |
| Other real estate | | | | (12,654) |
| Total Real Estate | | | | (43,374) |
| MANAGEMENT INCOME | (Profit minus interest on capital) | | | -39,071 |

Sources: Economic studies, official reports, miscellaneous published materials, and farmer interviews.

1. The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the land owned by the United States in the State of California, and is hereby published for the information of the public.

| Section | Range | County | Acres | Remarks |
|---------|-------|--------|-------|---------|
| 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 | 10 |
| 11 | 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 | 13 |
| 14 | 14 | 14 | 14 | 14 |
| 15 | 15 | 15 | 15 | 15 |
| 16 | 16 | 16 | 16 | 16 |
| 17 | 17 | 17 | 17 | 17 |
| 18 | 18 | 18 | 18 | 18 |
| 19 | 19 | 19 | 19 | 19 |
| 20 | 20 | 20 | 20 | 20 |
| 21 | 21 | 21 | 21 | 21 |
| 22 | 22 | 22 | 22 | 22 |
| 23 | 23 | 23 | 23 | 23 |
| 24 | 24 | 24 | 24 | 24 |
| 25 | 25 | 25 | 25 | 25 |
| 26 | 26 | 26 | 26 | 26 |
| 27 | 27 | 27 | 27 | 27 |
| 28 | 28 | 28 | 28 | 28 |
| 29 | 29 | 29 | 29 | 29 |
| 30 | 30 | 30 | 30 | 30 |
| 31 | 31 | 31 | 31 | 31 |
| 32 | 32 | 32 | 32 | 32 |
| 33 | 33 | 33 | 33 | 33 |
| 34 | 34 | 34 | 34 | 34 |
| 35 | 35 | 35 | 35 | 35 |
| 36 | 36 | 36 | 36 | 36 |
| 37 | 37 | 37 | 37 | 37 |
| 38 | 38 | 38 | 38 | 38 |
| 39 | 39 | 39 | 39 | 39 |
| 40 | 40 | 40 | 40 | 40 |
| 41 | 41 | 41 | 41 | 41 |
| 42 | 42 | 42 | 42 | 42 |
| 43 | 43 | 43 | 43 | 43 |
| 44 | 44 | 44 | 44 | 44 |
| 45 | 45 | 45 | 45 | 45 |
| 46 | 46 | 46 | 46 | 46 |
| 47 | 47 | 47 | 47 | 47 |
| 48 | 48 | 48 | 48 | 48 |
| 49 | 49 | 49 | 49 | 49 |
| 50 | 50 | 50 | 50 | 50 |
| 51 | 51 | 51 | 51 | 51 |
| 52 | 52 | 52 | 52 | 52 |
| 53 | 53 | 53 | 53 | 53 |
| 54 | 54 | 54 | 54 | 54 |
| 55 | 55 | 55 | 55 | 55 |
| 56 | 56 | 56 | 56 | 56 |
| 57 | 57 | 57 | 57 | 57 |
| 58 | 58 | 58 | 58 | 58 |
| 59 | 59 | 59 | 59 | 59 |
| 60 | 60 | 60 | 60 | 60 |
| 61 | 61 | 61 | 61 | 61 |
| 62 | 62 | 62 | 62 | 62 |
| 63 | 63 | 63 | 63 | 63 |
| 64 | 64 | 64 | 64 | 64 |
| 65 | 65 | 65 | 65 | 65 |
| 66 | 66 | 66 | 66 | 66 |
| 67 | 67 | 67 | 67 | 67 |
| 68 | 68 | 68 | 68 | 68 |
| 69 | 69 | 69 | 69 | 69 |
| 70 | 70 | 70 | 70 | 70 |
| 71 | 71 | 71 | 71 | 71 |
| 72 | 72 | 72 | 72 | 72 |
| 73 | 73 | 73 | 73 | 73 |
| 74 | 74 | 74 | 74 | 74 |
| 75 | 75 | 75 | 75 | 75 |
| 76 | 76 | 76 | 76 | 76 |
| 77 | 77 | 77 | 77 | 77 |
| 78 | 78 | 78 | 78 | 78 |
| 79 | 79 | 79 | 79 | 79 |
| 80 | 80 | 80 | 80 | 80 |
| 81 | 81 | 81 | 81 | 81 |
| 82 | 82 | 82 | 82 | 82 |
| 83 | 83 | 83 | 83 | 83 |
| 84 | 84 | 84 | 84 | 84 |
| 85 | 85 | 85 | 85 | 85 |
| 86 | 86 | 86 | 86 | 86 |
| 87 | 87 | 87 | 87 | 87 |
| 88 | 88 | 88 | 88 | 88 |
| 89 | 89 | 89 | 89 | 89 |
| 90 | 90 | 90 | 90 | 90 |
| 91 | 91 | 91 | 91 | 91 |
| 92 | 92 | 92 | 92 | 92 |
| 93 | 93 | 93 | 93 | 93 |
| 94 | 94 | 94 | 94 | 94 |
| 95 | 95 | 95 | 95 | 95 |
| 96 | 96 | 96 | 96 | 96 |
| 97 | 97 | 97 | 97 | 97 |
| 98 | 98 | 98 | 98 | 98 |
| 99 | 99 | 99 | 99 | 99 |
| 100 | 100 | 100 | 100 | 100 |

1. The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the land owned by the United States in the State of California, and is hereby published for the information of the public.

PART III. APPENDIX TABLES

| | <u>Page</u> |
|--|-------------|
| APPENDIX TABLE 1 California Farms; Economic Classes and Cropland Acres in 1954 | 37 |
| APPENDIX TABLE 2 California Farms; Types and Cropland Acres in 1954 | 38 |
| APPENDIX TABLE 3 California Cotton Farms; Estimated Numbers, Total and Average Acres by Size, 1954 | 39 |
| APPENDIX TABLE 4 California Cash Grain Farms; Estimated Numbers, Total and Average Acres by Size, 1954 | 40 |
| APPENDIX TABLE 5 Estimated Numbers of California Barley Farms, Barley Acreages, and Percentages of Total by Size, 1954 | 41 |
| APPENDIX TABLE 6 Estimated Numbers of California Rice Farms, Rice Acreages, and Percentages of Totals by Size, 1954 | 42 |
| APPENDIX TABLE 7 Estimated Numbers of California Wheat Farms, Wheat Acreages, and Percentages of Total by Size, 1954 | 43 |
| APPENDIX TABLE 8 California General Field Crop Farms, Estimated Numbers, Total and Average Acres by Size, 1954 | 44 |
| APPENDIX TABLE 9 California Vegetable Farms; Estimated Numbers, Total and Average Acres by Size, 1955 | 45 |

INDEX

Page

| | | |
|-----|----------------------|-----|
| 1 | Introduction | 1 |
| 2 | Chapter I | 2 |
| 3 | Chapter II | 3 |
| 4 | Chapter III | 4 |
| 5 | Chapter IV | 5 |
| 6 | Chapter V | 6 |
| 7 | Chapter VI | 7 |
| 8 | Chapter VII | 8 |
| 9 | Chapter VIII | 9 |
| 10 | Chapter IX | 10 |
| 11 | Chapter X | 11 |
| 12 | Chapter XI | 12 |
| 13 | Chapter XII | 13 |
| 14 | Chapter XIII | 14 |
| 15 | Chapter XIV | 15 |
| 16 | Chapter XV | 16 |
| 17 | Chapter XVI | 17 |
| 18 | Chapter XVII | 18 |
| 19 | Chapter XVIII | 19 |
| 20 | Chapter XIX | 20 |
| 21 | Chapter XX | 21 |
| 22 | Chapter XXI | 22 |
| 23 | Chapter XXII | 23 |
| 24 | Chapter XXIII | 24 |
| 25 | Chapter XXIV | 25 |
| 26 | Chapter XXV | 26 |
| 27 | Chapter XXVI | 27 |
| 28 | Chapter XXVII | 28 |
| 29 | Chapter XXVIII | 29 |
| 30 | Chapter XXIX | 30 |
| 31 | Chapter XXX | 31 |
| 32 | Chapter XXXI | 32 |
| 33 | Chapter XXXII | 33 |
| 34 | Chapter XXXIII | 34 |
| 35 | Chapter XXXIV | 35 |
| 36 | Chapter XXXV | 36 |
| 37 | Chapter XXXVI | 37 |
| 38 | Chapter XXXVII | 38 |
| 39 | Chapter XXXVIII | 39 |
| 40 | Chapter XXXIX | 40 |
| 41 | Chapter XL | 41 |
| 42 | Chapter XLI | 42 |
| 43 | Chapter XLII | 43 |
| 44 | Chapter XLIII | 44 |
| 45 | Chapter XLIV | 45 |
| 46 | Chapter XLV | 46 |
| 47 | Chapter XLVI | 47 |
| 48 | Chapter XLVII | 48 |
| 49 | Chapter XLVIII | 49 |
| 50 | Chapter XLIX | 50 |
| 51 | Chapter L | 51 |
| 52 | Chapter LI | 52 |
| 53 | Chapter LII | 53 |
| 54 | Chapter LIII | 54 |
| 55 | Chapter LIV | 55 |
| 56 | Chapter LV | 56 |
| 57 | Chapter LVI | 57 |
| 58 | Chapter LVII | 58 |
| 59 | Chapter LVIII | 59 |
| 60 | Chapter LIX | 60 |
| 61 | Chapter LX | 61 |
| 62 | Chapter LXI | 62 |
| 63 | Chapter LXII | 63 |
| 64 | Chapter LXIII | 64 |
| 65 | Chapter LXIV | 65 |
| 66 | Chapter LXV | 66 |
| 67 | Chapter LXVI | 67 |
| 68 | Chapter LXVII | 68 |
| 69 | Chapter LXVIII | 69 |
| 70 | Chapter LXIX | 70 |
| 71 | Chapter LXX | 71 |
| 72 | Chapter LXXI | 72 |
| 73 | Chapter LXXII | 73 |
| 74 | Chapter LXXIII | 74 |
| 75 | Chapter LXXIV | 75 |
| 76 | Chapter LXXV | 76 |
| 77 | Chapter LXXVI | 77 |
| 78 | Chapter LXXVII | 78 |
| 79 | Chapter LXXVIII | 79 |
| 80 | Chapter LXXIX | 80 |
| 81 | Chapter LXXX | 81 |
| 82 | Chapter LXXXI | 82 |
| 83 | Chapter LXXXII | 83 |
| 84 | Chapter LXXXIII | 84 |
| 85 | Chapter LXXXIV | 85 |
| 86 | Chapter LXXXV | 86 |
| 87 | Chapter LXXXVI | 87 |
| 88 | Chapter LXXXVII | 88 |
| 89 | Chapter LXXXVIII | 89 |
| 90 | Chapter LXXXIX | 90 |
| 91 | Chapter LXXXX | 91 |
| 92 | Chapter LXXXXI | 92 |
| 93 | Chapter LXXXXII | 93 |
| 94 | Chapter LXXXXIII | 94 |
| 95 | Chapter LXXXXIV | 95 |
| 96 | Chapter LXXXXV | 96 |
| 97 | Chapter LXXXXVI | 97 |
| 98 | Chapter LXXXXVII | 98 |
| 99 | Chapter LXXXXVIII | 99 |
| 100 | Chapter LXXXXIX | 100 |
| 101 | Chapter LXXXXX | 101 |
| 102 | Chapter LXXXXXI | 102 |
| 103 | Chapter LXXXXXII | 103 |
| 104 | Chapter LXXXXXIII | 104 |
| 105 | Chapter LXXXXXIV | 105 |
| 106 | Chapter LXXXXXV | 106 |
| 107 | Chapter LXXXXXVI | 107 |
| 108 | Chapter LXXXXXVII | 108 |
| 109 | Chapter LXXXXXVIII | 109 |
| 110 | Chapter LXXXXXIX | 110 |
| 111 | Chapter LXXXXXX | 111 |
| 112 | Chapter LXXXXXXI | 112 |
| 113 | Chapter LXXXXXXII | 113 |
| 114 | Chapter LXXXXXXIII | 114 |
| 115 | Chapter LXXXXXXIV | 115 |
| 116 | Chapter LXXXXXXV | 116 |
| 117 | Chapter LXXXXXXVI | 117 |
| 118 | Chapter LXXXXXXVII | 118 |
| 119 | Chapter LXXXXXXVIII | 119 |
| 120 | Chapter LXXXXXXIX | 120 |
| 121 | Chapter LXXXXXXX | 121 |
| 122 | Chapter LXXXXXXXI | 122 |
| 123 | Chapter LXXXXXXXII | 123 |
| 124 | Chapter LXXXXXXXIII | 124 |
| 125 | Chapter LXXXXXXXIV | 125 |
| 126 | Chapter LXXXXXXXV | 126 |
| 127 | Chapter LXXXXXXXVI | 127 |
| 128 | Chapter LXXXXXXXVII | 128 |
| 129 | Chapter LXXXXXXXVIII | 129 |
| 130 | Chapter LXXXXXXXIX | 130 |
| 131 | Chapter LXXXXXXXI | 131 |
| 132 | Chapter LXXXXXXXII | 132 |
| 133 | Chapter LXXXXXXXIII | 133 |
| 134 | Chapter LXXXXXXXIV | 134 |
| 135 | Chapter LXXXXXXXV | 135 |
| 136 | Chapter LXXXXXXXVI | 136 |
| 137 | Chapter LXXXXXXXVII | 137 |
| 138 | Chapter LXXXXXXXVIII | 138 |
| 139 | Chapter LXXXXXXXIX | 139 |
| 140 | Chapter LXXXXXXXI | 140 |
| 141 | Chapter LXXXXXXXII | 141 |
| 142 | Chapter LXXXXXXXIII | 142 |
| 143 | Chapter LXXXXXXXIV | 143 |
| 144 | Chapter LXXXXXXXV | 144 |
| 145 | Chapter LXXXXXXXVI | 145 |
| 146 | Chapter LXXXXXXXVII | 146 |
| 147 | Chapter LXXXXXXXVIII | 147 |
| 148 | Chapter LXXXXXXXIX | 148 |
| 149 | Chapter LXXXXXXXI | 149 |
| 150 | Chapter LXXXXXXXII | 150 |
| 151 | Chapter LXXXXXXXIII | 151 |
| 152 | Chapter LXXXXXXXIV | 152 |
| 153 | Chapter LXXXXXXXV | 153 |
| 154 | Chapter LXXXXXXXVI | 154 |
| 155 | Chapter LXXXXXXXVII | 155 |
| 156 | Chapter LXXXXXXXVIII | 156 |
| 157 | Chapter LXXXXXXXIX | 157 |
| 158 | Chapter LXXXXXXXI | 158 |
| 159 | Chapter LXXXXXXXII | 159 |
| 160 | Chapter LXXXXXXXIII | 160 |
| 161 | Chapter LXXXXXXXIV | 161 |
| 162 | Chapter LXXXXXXXV | 162 |
| 163 | Chapter LXXXXXXXVI | 163 |
| 164 | Chapter LXXXXXXXVII | 164 |
| 165 | Chapter LXXXXXXXVIII | 165 |
| 166 | Chapter LXXXXXXXIX | 166 |
| 167 | Chapter LXXXXXXXI | 167 |
| 168 | Chapter LXXXXXXXII | 168 |
| 169 | Chapter LXXXXXXXIII | 169 |
| 170 | Chapter LXXXXXXXIV | 170 |
| 171 | Chapter LXXXXXXXV | 171 |
| 172 | Chapter LXXXXXXXVI | 172 |
| 173 | Chapter LXXXXXXXVII | 173 |
| 174 | Chapter LXXXXXXXVIII | 174 |
| 175 | Chapter LXXXXXXXIX | 175 |
| 176 | Chapter LXXXXXXXI | 176 |
| 177 | Chapter LXXXXXXXII | 177 |
| 178 | Chapter LXXXXXXXIII | 178 |
| 179 | Chapter LXXXXXXXIV | 179 |
| 180 | Chapter LXXXXXXXV | 180 |
| 181 | Chapter LXXXXXXXVI | 181 |
| 182 | Chapter LXXXXXXXVII | 182 |
| 183 | Chapter LXXXXXXXVIII | 183 |
| 184 | Chapter LXXXXXXXIX | 184 |
| 185 | Chapter LXXXXXXXI | 185 |
| 186 | Chapter LXXXXXXXII | 186 |
| 187 | Chapter LXXXXXXXIII | 187 |
| 188 | Chapter LXXXXXXXIV | 188 |
| 189 | Chapter LXXXXXXXV | 189 |
| 190 | Chapter LXXXXXXXVI | 190 |
| 191 | Chapter LXXXXXXXVII | 191 |
| 192 | Chapter LXXXXXXXVIII | 192 |
| 193 | Chapter LXXXXXXXIX | 193 |
| 194 | Chapter LXXXXXXXI | 194 |
| 195 | Chapter LXXXXXXXII | 195 |
| 196 | Chapter LXXXXXXXIII | 196 |
| 197 | Chapter LXXXXXXXIV | 197 |
| 198 | Chapter LXXXXXXXV | 198 |
| 199 | Chapter LXXXXXXXVI | 199 |
| 200 | Chapter LXXXXXXXVII | 200 |

APPENDIX TABLE 1

California Farms; Economic Classes
and Cropland Acres in 1954

(Economic class by value of farm products sold)

| Class intervals by cropland acres | All farms | Commercial | | | Other | |
|-----------------------------------|-----------|------------|------------------|---------------|-----------|----------------------|
| | | Total | \$5,000 and over | \$250-\$4,999 | Part-time | Residential abnormal |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| NUMBERS | | | | | | |
| 1 - 19 | 48,387 | 29,631 | 11,499 | 18,132 | 8,873 | 9,883 |
| 20 - 49 | 18,942 | 17,809 | 12,830 | 4,979 | 834 | 299 |
| 50 - 99 | 10,808 | 10,585 | 9,081 | 1,504 | 175 | 48 |
| 100 - 199 | 7,101 | 7,047 | 6,473 | 574 | 41 | 13 |
| 200 - 499 | 5,110 | 5,092 | 4,920 | 172 | 3 | 15 |
| 500 and over | 3,212 | 3,199 | 3,188 | 11 | 5 | 8 |
| Totals | 93,560 | 73,363 | 47,991 | 25,372 | 9,931 | 10,266 |
| PERCENTAGES ^{1/} | | | | | | |
| 1 - 19 | 51.7 | 31.7 | 12.3 | 19.4 | 9.5 | 10.6 |
| 20 - 49 | 20.2 | 19.0 | 13.7 | 5.3 | .9 | .3 |
| 50 - 99 | 11.6 | 11.3 | 9.7 | 1.6 | .2 | -- |
| 100 - 199 | 7.6 | 7.5 | 6.9 | .6 | -- | -- |
| 200 - 499 | 5.5 | 5.5 | 5.3 | .2 | -- | -- |
| 500 and over | 3.4 | 3.4 | 3.4 | -- | -- | .1 |
| Totals | 100.0 | 78.4 | 51.3 | 27.1 | 10.6 | 11.0 |

^{1/} Based on All Farm Total; 93,560 farms representing 100 percent.Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. I, part 33.
"California: Counties and State Economic Areas," page 140.

1. 7. 1968

SECRET

It is not necessary that the subject of the report be a member of the organization.

| RECEIPTS | | | | | | DATE | |
|----------|------|-------------|--------|-------|-------|--------|---------|
| NO. | DATE | DESCRIPTION | AMOUNT | CASH | CHECK | TOTAL | BALANCE |
| 1 | 1/1 | TO BALANCE | 100.00 | | | 100.00 | 100.00 |
| 2 | 1/2 | BY CHECK | 50.00 | | 50.00 | 50.00 | 50.00 |
| 3 | 1/3 | BY CASH | 25.00 | 25.00 | | 25.00 | 25.00 |
| 4 | 1/4 | BY CHECK | 75.00 | | 75.00 | 75.00 | 75.00 |
| 5 | 1/5 | BY CASH | 10.00 | 10.00 | | 10.00 | 10.00 |
| 6 | 1/6 | BY CHECK | 30.00 | | 30.00 | 30.00 | 30.00 |
| 7 | 1/7 | BY CASH | 15.00 | 15.00 | | 15.00 | 15.00 |
| 8 | 1/8 | BY CHECK | 40.00 | | 40.00 | 40.00 | 40.00 |
| 9 | 1/9 | BY CASH | 20.00 | 20.00 | | 20.00 | 20.00 |
| 10 | 1/10 | BY CHECK | 60.00 | | 60.00 | 60.00 | 60.00 |
| 11 | 1/11 | BY CASH | 12.00 | 12.00 | | 12.00 | 12.00 |
| 12 | 1/12 | BY CHECK | 35.00 | | 35.00 | 35.00 | 35.00 |
| 13 | 1/13 | BY CASH | 18.00 | 18.00 | | 18.00 | 18.00 |
| 14 | 1/14 | BY CHECK | 45.00 | | 45.00 | 45.00 | 45.00 |
| 15 | 1/15 | BY CASH | 22.00 | 22.00 | | 22.00 | 22.00 |
| 16 | 1/16 | BY CHECK | 55.00 | | 55.00 | 55.00 | 55.00 |
| 17 | 1/17 | BY CASH | 14.00 | 14.00 | | 14.00 | 14.00 |
| 18 | 1/18 | BY CHECK | 38.00 | | 38.00 | 38.00 | 38.00 |
| 19 | 1/19 | BY CASH | 16.00 | 16.00 | | 16.00 | 16.00 |
| 20 | 1/20 | BY CHECK | 48.00 | | 48.00 | 48.00 | 48.00 |
| 21 | 1/21 | BY CASH | 24.00 | 24.00 | | 24.00 | 24.00 |
| 22 | 1/22 | BY CHECK | 52.00 | | 52.00 | 52.00 | 52.00 |
| 23 | 1/23 | BY CASH | 19.00 | 19.00 | | 19.00 | 19.00 |
| 24 | 1/24 | BY CHECK | 42.00 | | 42.00 | 42.00 | 42.00 |
| 25 | 1/25 | BY CASH | 21.00 | 21.00 | | 21.00 | 21.00 |
| 26 | 1/26 | BY CHECK | 58.00 | | 58.00 | 58.00 | 58.00 |
| 27 | 1/27 | BY CASH | 17.00 | 17.00 | | 17.00 | 17.00 |
| 28 | 1/28 | BY CHECK | 44.00 | | 44.00 | 44.00 | 44.00 |
| 29 | 1/29 | BY CASH | 23.00 | 23.00 | | 23.00 | 23.00 |
| 30 | 1/30 | BY CHECK | 50.00 | | 50.00 | 50.00 | 50.00 |
| 31 | 1/31 | BY CASH | 26.00 | 26.00 | | 26.00 | 26.00 |
| 32 | 2/1 | BY CHECK | 54.00 | | 54.00 | 54.00 | 54.00 |
| 33 | 2/2 | BY CASH | 20.00 | 20.00 | | 20.00 | 20.00 |
| 34 | 2/3 | BY CHECK | 46.00 | | 46.00 | 46.00 | 46.00 |
| 35 | 2/4 | BY CASH | 25.00 | 25.00 | | 25.00 | 25.00 |
| 36 | 2/5 | BY CHECK | 56.00 | | 56.00 | 56.00 | 56.00 |
| 37 | 2/6 | BY CASH | 18.00 | 18.00 | | 18.00 | 18.00 |
| 38 | 2/7 | BY CHECK | 41.00 | | 41.00 | 41.00 | 41.00 |
| 39 | 2/8 | BY CASH | 22.00 | 22.00 | | 22.00 | 22.00 |
| 40 | 2/9 | BY CHECK | 51.00 | | 51.00 | 51.00 | 51.00 |
| 41 | 2/10 | BY CASH | 19.00 | 19.00 | | 19.00 | 19.00 |
| 42 | 2/11 | BY CHECK | 43.00 | | 43.00 | 43.00 | 43.00 |
| 43 | 2/12 | BY CASH | 24.00 | 24.00 | | 24.00 | 24.00 |
| 44 | 2/13 | BY CHECK | 53.00 | | 53.00 | 53.00 | 53.00 |
| 45 | 2/14 | BY CASH | 21.00 | 21.00 | | 21.00 | 21.00 |
| 46 | 2/15 | BY CHECK | 47.00 | | 47.00 | 47.00 | 47.00 |
| 47 | 2/16 | BY CASH | 27.00 | 27.00 | | 27.00 | 27.00 |
| 48 | 2/17 | BY CHECK | 57.00 | | 57.00 | 57.00 | 57.00 |
| 49 | 2/18 | BY CASH | 23.00 | 23.00 | | 23.00 | 23.00 |

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $t \rightarrow \infty$. It is shown that the solutions of the system (1) tend to zero as $t \rightarrow \infty$ if and only if the matrix A is Hurwitz stable. This result is proved by the method of the variation of constants.

$$= \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

APPENDIX TABLE 2

California Farms; Types and
Cropland Acres in 1954

| Class intervals by cropland acres | All farms | Cash grain | Cotton | Other field-crop | Vegetable | Fruit and nut | Live-stock | General (combine) | Misc. unclassified |
|-----------------------------------|-----------|------------|--------|------------------|-----------|---------------|------------|-------------------|--------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| <u>NUMBERS</u> | | | | | | | | | |
| 1 - 19 | 48,387 | 270 | 1,315 | 235 | 1,190 | 16,224 | 8,113 | 677 | 20,363 |
| 20 - 49 | 18,942 | 561 | 1,455 | 182 | 846 | 8,821 | 4,651 | 1,106 | 1,320 |
| 50 - 99 | 10,808 | 656 | 1,267 | 221 | 475 | 3,962 | 2,712 | 1,216 | 299 |
| 100 - 199 | 7,101 | 821 | 1,128 | 208 | 437 | 1,676 | 1,818 | 920 | 93 |
| 200 - 499 | 5,110 | 1,112 | 872 | 220 | 324 | 645 | 1,053 | 852 | 32 |
| 500 and over | 3,212 | 1,099 | 559 | 153 | 224 | 203 | 400 | 546 | 28 |
| Totals | 93,560 | 4,519 | 6,596 | 1,219 | 3,496 | 31,531 | 18,747 | 5,317 | 22,135 |
| <u>PERCENTAGES</u> 1/ | | | | | | | | | |
| 1 - 19 | 51.7 | .3 | 1.4 | .3 | 1.3 | 17.4 | 8.7 | .7 | 21.8 |
| 20 - 49 | 20.2 | .6 | 1.6 | .2 | .9 | 9.4 | 5.0 | 1.2 | 1.4 |
| 50 - 99 | 11.6 | .7 | 1.4 | .2 | .5 | 4.2 | 2.9 | 1.3 | .3 |
| 100 - 199 | 7.6 | .9 | 1.2 | .2 | .5 | 1.8 | 1.9 | 1.0 | .1 |
| 200 - 499 | 5.5 | 1.2 | .9 | .2 | .3 | .7 | 1.1 | .9 | .1 |
| 500 and over | 3.4 | 1.1 | .6 | .2 | .2 | .2 | .4 | .6 | |
| Totals | 100.0 | 4.8 | 7.1 | 1.3 | 3.7 | 33.7 | 20.0 | 5.7 | 23.7 |

1/ Based on All Farms Total; 93,560 farms representing 100 percent.

Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. I, part 33, "California: Counties and State Economic Areas," page 176.

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

APPENDIX TABLE 3

California Cotton Farms; Estimated Numbers,
Total and Average Acres by Size, 1954

- Total Farm Characteristics

| Class
intervals
(acres) | Mid-
points | Number
of
farms | Average acres | | | Total acres | | |
|-------------------------------|----------------|-----------------------|------------------------|----------------------|----------------------|-----------------------|-------------------|-------------------|
| | | | Crop-
land
harv. | All
crop-
land | All
farm-
land | Cropland
harvested | All crop-
land | All farm-
land |
| | | | 1 | 2 | 3 | 4 | 5 | 6 |
| 0 - 9 | 4.5 | 405 | 4 | 5 | 6 | 1,822 | 1,966 | 2,327 |
| 10 - 19 | 14.5 | 910 | 15 | 19 | 23 | 13,195 | 17,697 | 20,944 |
| 20 - 29 | 24.5 | 525 | 24 | 30 | 35 | 12,862 | 15,730 | 18,617 |
| 30 - 49 | 39.5 | 930 | 40 | 49 | 58 | 36,735 | 45,224 | 53,525 |
| 50 - 99 | 74.5 | 1,267 | 75 | 93 | 110 | 94,392 | 117,975 | 139,630 |
| 00 - 199 | 149.5 | 1,128 | 150 | 187 | 221 | 168,636 | 210,389 | 249,007 |
| 00 - 499 | 349.5 | 872 | 350 | 435 | 515 | 304,764 | 379,487 | 449,143 |
| 00 and over | 1690.2 | 559 | 1,690 | 2,107 | 2,494 | 944,813 | 1,177,786 | 1,393,972 |
| | | 6,596 | 239 | 298 | 353 | 1,577,219 | 1,966,254 | 2,327,165 |

- Cotton Farms, Cotton Acreages and Percentages of Total, by Size

| Class
intervals
(acres) | Mid-
points | Cotton farms | | Percentages | |
|-------------------------------|----------------|--------------|-----------------|-------------|-----------------|
| | | Number | Cotton
acres | Farms | Cotton
acres |
| | | 1 | 2 | 3 | 4 |
| 0 - 4 | 2 | 92 | 184 | 1.4 | .0 |
| 5 - 9 | 7 | 600 | 4,200 | 9.1 | .7 |
| 10 - 24 | 17 | 1,933 | 32,861 | 29.3 | 5.1 |
| 25 - 49 | 37 | 1,412 | 52,244 | 21.4 | 8.1 |
| 50 - 99 | 74.5 | 1,148 | 85,526 | 17.4 | 13.3 |
| 100 - 199 | 149.5 | 778 | 116,311 | 11.8 | 18.0 |
| 200 and over | 558.9 | 633 | 353,763 | 9.6 | 54.8 |
| | | 6,596 | 645,089 | 100.0 | 100.0 |

Arithmetic mean.

Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. III, part 8.
Various studies and estimates by author.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific information required.

| Year | Month | Day | Time | Location | Activity | Remarks |
|------|-------|-----|-------|---------------|-----------|--------------|
| 1960 | Jan | 1 | 10:00 | San Francisco | Arrival | First trip |
| 1960 | Jan | 2 | 10:00 | San Francisco | Departure | Second trip |
| 1960 | Jan | 3 | 10:00 | San Francisco | Arrival | Third trip |
| 1960 | Jan | 4 | 10:00 | San Francisco | Departure | Fourth trip |
| 1960 | Jan | 5 | 10:00 | San Francisco | Arrival | Fifth trip |
| 1960 | Jan | 6 | 10:00 | San Francisco | Departure | Sixth trip |
| 1960 | Jan | 7 | 10:00 | San Francisco | Arrival | Seventh trip |
| 1960 | Jan | 8 | 10:00 | San Francisco | Departure | Eighth trip |
| 1960 | Jan | 9 | 10:00 | San Francisco | Arrival | Ninth trip |
| 1960 | Jan | 10 | 10:00 | San Francisco | Departure | Tenth trip |

| Year | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | |

... ..

1. The first group of individuals, who are the most numerous, are those who are in the process of being assimilated into the dominant culture. They are the individuals who are in the process of being assimilated into the dominant culture.

APPENDIX TABLE 4

California Cash Grain Farms; Estimated Numbers,
Total and Average Acres by Size, 1954

A - Total Farm Characteristics

| Class intervals | Mid-points | Number of farms | Average acres | | | Total acres | | |
|-----------------|----------------------|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|
| | | | Crop-land harv. | All crop-land | All farm-land | Cropland harvested | All crop-land | All crop-land |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 0 - 9 | 4.5 | 60 | 5 | 7 | 9 | 270 | 400 | 544 |
| 10 - 19 | 14.5 | 210 | 15 | 22 | 30 | 3,045 | 4,601 | 6,254 |
| 20 - 29 | 24.5 | 160 | 25 | 37 | 50 | 3,920 | 5,943 | 8,080 |
| 30 - 49 | 39.5 | 401 | 40 | 60 | 81 | 15,840 | 24,002 | 32,629 |
| 50 - 99 | 74.5 | 656 | 75 | 113 | 153 | 48,872 | 74,006 | 100,608 |
| 100 - 199 | 149.5 | 821 | 150 | 226 | 308 | 122,740 | 185,901 | 252,723 |
| 200 - 499 | 349.5 | 1,112 | 350 | 529 | 720 | 388,644 | 588,621 | 800,199 |
| 500 and over | 1185.9 ^{1/} | 1,099 | 1,186 | 1,796 | 2,442 | 1,303,295 | 1,973,908 | 2,683,424 |
| | | 4,519 | 417 | 632 | 860 | 1,886,626 | 2,857,382 | 3,884,461 |

B - Cash Grain Farms, Grain Acreages and Percentages of Total, by Size

| Class intervals (acres) | Mid-points | Cash grain farms | | Percentages | |
|-------------------------|----------------------|------------------|-------------|-------------|-------------|
| | | Number | Grain acres | Farms | Grain acres |
| | 1 | 2 | 3 | 4 | 5 |
| .1 - 10 | 5.5 | 54 | 297 | 1.2 | .1 |
| 10 - 24 | 17.5 | 199 | 3,482 | 4.4 | .2 |
| 25 - 49 | 37.0 | 330 | 12,210 | 7.3 | .8 |
| 50 - 99 | 74.5 | 669 | 49,840 | 14.8 | 3.1 |
| 100 - 199 | 149.5 | 917 | 137,092 | 20.3 | 8.6 |
| 200 - 299 | 249.5 | 560 | 139,720 | 12.4 | 8.7 |
| 300 - 499 | 349.5 | 782 | 273,309 | 17.3 | 17.1 |
| 500 - 999 | 749.5 | 683 | 511,908 | 15.1 | 32.0 |
| 1000 and over | 1446.5 ^{1/} | 325 | 470,114 | 7.2 | 29.4 |
| | | 4,519 | 1,597,972 | 100.0 | 100.0 |

^{1/} Arithmetic mean.

Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. III, part 8.
Various studies and estimates by author.

REMARKS TABLE 4

Stationary Cash Grain Prices; Estimated Numbers
Total and Average prices by State, 1924

A - Total Cash Grain Statistics

| Class
of Grain | Quantity
in bushels | Price
per bushel | Average prices | | | | Total cash | |
|-------------------|------------------------|---------------------|----------------|-------|-------|-------|------------|-------|
| | | | 1924 | 1923 | 1922 | 1921 | Quantity | Price |
| Wheat | 100 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 100 | 4.50 |
| Barley | 100 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 100 | 2.50 |
| Oats | 100 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 100 | 1.50 |
| Rye | 100 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 100 | 3.00 |
| Tritic | 100 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 100 | 4.00 |
| Flour | 100 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 100 | 5.00 |
| Feed | 100 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 100 | 2.00 |
| Hay | 100 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 100 | 1.00 |
| Straw | 100 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 100 | 0.50 |
| Other | 100 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 100 | 1.00 |
| Total | 1000 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 1000 | 10.00 |

B - Cash Grain Prices; Cash Statistics and Prices of Total by State

| Class
of Grain | Quantity
in bushels | Price
per bushel | Average prices | | | | Total cash | |
|-------------------|------------------------|---------------------|----------------|-------|-------|-------|------------|-------|
| | | | 1924 | 1923 | 1922 | 1921 | Quantity | Price |
| Wheat | 100 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 100 | 4.50 |
| Barley | 100 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 100 | 2.50 |
| Oats | 100 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 100 | 1.50 |
| Rye | 100 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 100 | 3.00 |
| Tritic | 100 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 100 | 4.00 |
| Flour | 100 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 100 | 5.00 |
| Feed | 100 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 100 | 2.00 |
| Hay | 100 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 100 | 1.00 |
| Straw | 100 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 100 | 0.50 |
| Other | 100 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 100 | 1.00 |
| Total | 1000 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 1000 | 10.00 |

C - Estimated prices

Source: 1924 Bureau of Agricultural Economics, U.S. Bureau of the Census, Vol. 11, Part 2
Estimated prices and quantities by State.

APPENDIX TABLE 5

Estimated Numbers of California Barley Farms, Barley Acreages,
and Percentages of Total by Size, 1954

| Class
intervals
(acres) | Mid-
points | Barley farms | | Percentages | |
|-------------------------------|---------------------|--------------|-----------------|-------------|-----------------|
| | | Number | Barley
acres | Farms | Barley
acres |
| | 1 | 2 | 3 | 4 | 5 |
| 1 - 9 | 5 | 72 | 360 | 2.4 | .0 |
| 10 - 24 | 17 | 266 | 4,522 | 8.9 | .6 |
| 25 - 49 | 37 | 287 | 10,619 | 9.6 | 1.4 |
| 50 - 99 | 74.5 | 521 | 38,815 | 17.4 | 5.3 |
| 100 - 199 | 149.5 | 736 | 110,032 | 24.6 | 15.0 |
| 200 - 299 | 249.5 | 326 | 81,337 | 10.9 | 11.1 |
| 300 - 499 | 399.5 ^{1/} | 347 | 138,626 | 11.6 | 18.9 |
| 500 and over | 801.4 ^{1/} | 437 | 350,225 | 14.6 | 47.7 |
| Totals | | 2,992 | 734,536 | 100.0 | 100.0 |

^{1/} Arithmetic mean.

Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. III, part 8.
Various studies and estimates by author.

TABLE 1

Estimated Number of Persons in the United States by Race and Sex, 1960

| Sex | White | Black | Hispanic | Other | Total |
|--------|-------------|------------|------------|------------|-------------|
| Male | 100,000,000 | 10,000,000 | 5,000,000 | 5,000,000 | 120,000,000 |
| Female | 100,000,000 | 10,000,000 | 5,000,000 | 5,000,000 | 120,000,000 |
| Total | 200,000,000 | 20,000,000 | 10,000,000 | 10,000,000 | 240,000,000 |

Source: U.S. Census Bureau

Estimated Number of Persons in the United States by Race and Sex, 1960

APPENDIX TABLE 6

Estimated Numbers of California Rice Farms, Rice Acreages,
and Percentages of Totals by Size, 1954

| Class
intervals
(acres) | Mid-
points | Rice farms | | Percentages | |
|-------------------------------|----------------------|------------|---------------|-------------|---------------|
| | | Number | Rice
acres | Farms | Rice
acres |
| | 1 | 2 | 3 | 4 | 5 |
| 1 - 9 | 5 | 6 | 30 | .6 | .0 |
| 10 - 24 | 17 | 21 | 357 | 2.2 | .1 |
| 25 - 49 | 37 | 59 | 2,183 | 6.2 | .6 |
| 50 - 99 | 74.5 | 129 | 9,610 | 13.6 | 2.5 |
| 100 - 199 | 149.5 | 173 | 25,864 | 18.2 | 6.6 |
| 200 - 299 | 249.5 | 124 | 30,938 | 13.1 | 7.9 |
| 300 - 499 | 399.5 | 190 | 75,905 | 20.0 | 19.5 |
| 500 - 999 | 749.5 ^{1/} | 163 | 122,168 | 17.2 | 31.4 |
| 1000 and over | 1456.3 ^{1/} | 84 | 122,330 | 8.9 | 31.4 |
| Totals | | 949 | 389,385 | 100.0 | 100.0 |

^{1/} Arithmetic mean.

Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. III, part 8.
Various studies and estimates by author.

The following information was obtained from the records of the Department of Social Services, New York City:

APPENDIX TABLE 7

Estimated Numbers of California Wheat Farms, Wheat Acreages,
and Percentages of Total by Size, 1954

| Class
intervals
(acres) | Mid-
points | Wheat farms | | Percentages | |
|-------------------------------|----------------------|-------------|----------------|-------------|----------------|
| | | Number | Wheat
acres | Farms | Wheat
acres |
| | 1 | 2 | 3 | 4 | 5 |
| 1 - 9 | 5 | 30 | 150 | 2.4 | .1 |
| 10 - 24 | 17 | 111 | 1,887 | 8.9 | .6 |
| 25 - 49 | 37 | 120 | 4,440 | 9.6 | 1.4 |
| 50 - 99 | 74.5 | 218 | 16,241 | 17.4 | 5.1 |
| 100 - 199 | 149.5 | 308 | 46,046 | 24.6 | 14.6 |
| 200 - 299 | 249.5 | 137 | 34,182 | 10.9 | 10.8 |
| 300 - 499 | 399.5 | 145 | 57,928 | 11.6 | 18.3 |
| 500 - 999 | 749.5 | 136 | 101,932 | 10.9 | 32.2 |
| 1000 and over | 1159.2 ^{1/} | 46 | 53,322 | 3.7 | 16.9 |
| Totals | | 1,251 | 316,128 | 100.0 | 100.0 |

^{1/} Arithmetic mean.

Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. III, part 8.
Various studies and estimates by author.

TABLE 1

Estimate of the Effect of the Change in the Weight of the Package of Total by Spec. 1900

| Weight of Package (lb.) | Weight of Package (lb.) | Weight of Package (lb.) | Weight of Package (lb.) | Weight of Package (lb.) | Weight of Package (lb.) |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| 11.5 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 |
| 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 |
| 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 |
| 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 |
| 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |

1. Estimate of the Effect of the Change in the Weight of the Package of Total by Spec. 1900

Estimate of the Effect of the Change in the Weight of the Package of Total by Spec. 1900

APPENDIX TABLE 8

California General Field Crop Farms, Estimated Numbers,
Total and Average Acres by Size, 1954

A - Total Farm Characteristics

| Class intervals | Mid-points | Number of farms | Average acres | | | Total acres | | |
|-----------------|---------------------|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|
| | | | Crop-land harv. | All crop-land | All farm-land | Cropland harvested | All crop-land | All farm-land |
| | | | 3 | 4 | 5 | 6 | 7 | 8 |
| 0 - 9 | 4.5 | 90 | 5 | 4 | 5 | 405 | 329 | 438 |
| 10 - 19 | 14.5 | 145 | 14 | 18 | 24 | 2,102 | 2,630 | 3,505 |
| 20 - 29 | 24.5 | 60 | 25 | 27 | 37 | 1,470 | 1,644 | 2,191 |
| 30 - 49 | 39.5 | 122 | 40 | 46 | 61 | 4,819 | 5,590 | 7,449 |
| 50 - 99 | 74.5 | 221 | 75 | 88 | 117 | 16,465 | 19,399 | 25,852 |
| 100 - 199 | 149.5 | 208 | 150 | 177 | 236 | 31,096 | 36,826 | 49,075 |
| 200 - 499 | 349.5 | 220 | 350 | 412 | 550 | 76,890 | 90,749 | 120,934 |
| 500 and over | 951.5 ^{1/} | 153 | 951 | 1,122 | 1,495 | 145,578 | 171,633 | 228,723 |
| | | 1,219 | 229 | 270 | 359 | 278,825 | 328,800 | 438,167 |

B - Other Field Crop Farms, Field Crop Acreages, and Percentages of Total by Size

| Class intervals (acres) | Mid points | General field crop farm | | Percentages | |
|-------------------------|---------------------|-------------------------|------------------------|-------------|------------------|
| | | Number | Other field crop acres | Farms | Field crop acres |
| | | 2 | 3 | 4 | 5 |
| 0 - 4 | 2 | 17 | 34 | 1.4 | -- |
| 5 - 9 | 7 | 111 | 777 | 9.1 | .6 |
| 10 - 24 | 17 | 357 | 6,069 | 29.3 | 5.1 |
| 25 - 49 | 37 | 261 | 9,657 | 21.4 | 8.1 |
| 50 - 99 | 74.5 | 212 | 15,794 | 17.4 | 13.3 |
| 100 - 199 | 149.5 | 144 | 21,528 | 11.8 | 18.1 |
| 200 and over | 558.1 ^{1/} | 117 | 65,298 | 9.6 | 54.8 |
| Totals | | 1,219 | 119,157 | 100.0 | 100.0 |

^{1/} Arithmetic mean.

Source: 1954 Census of Agriculture, U. S. Bureau of the Census, Vol. III, part 8.
Various studies and estimates by author.

APPENDIX TABLE 2

California General Yield Crop Report, Estimated numbers,
Total and average Acres of land, 1924

| Crop | Acres | Yield per acre | Total yield | | Average yield | |
|--------|-------|----------------|-------------|-------|---------------|-------|
| | | | Acres | Yield | Acres | Yield |
| Wheat | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Barley | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Oats | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Rye | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Tritic | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Flour | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| ... | ... | ... | ... | ... | ... | ... |

2 - Total Yield Crop Report, Estimated numbers, Total and average Acres of land, 1924

| Crop | Acres | Yield per acre | Total yield | | Average yield | |
|--------|-------|----------------|-------------|-------|---------------|-------|
| | | | Acres | Yield | Acres | Yield |
| Wheat | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Barley | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Oats | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Rye | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Tritic | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| Flour | 1,219 | 1.219 | 1,219 | 1.219 | 1,219 | 1.219 |
| ... | ... | ... | ... | ... | ... | ... |

3 - Average yield

Notes: 1924 Census of Agriculture, U. S. Bureau of the Census, Vol. III, Chap. 8.
Various estimates and estimates are subject.

APPENDIX TABLE 9

California Vegetable Farms; Estimated Numbers,
Total and Average Acres by Size, 1955

A - Total Farm Characteristics

| Class intervals (acres) | Mid-points | Number of farms | Average acres | | | Total acres | | |
|-------------------------|----------------------|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|
| | | | Crop-land harv. | All crop-land | All farm-land | Cropland harvested | All crop-land | All farm-land |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 0 - 9 | 4.5 | 635 | 5 | 5 | 6 | 2,858 | 3,250 | 3,914 |
| 10 - 19 | 14.5 | 555 | 15 | 16 | 19 | 8,048 | 8,667 | 10,437 |
| 20 - 29 | 24.5 | 380 | 25 | 27 | 33 | 9,310 | 10,291 | 12,394 |
| 30 - 49 | 39.5 | 466 | 40 | 43 | 52 | 18,407 | 20,041 | 24,136 |
| 50 - 99 | 74.5 | 475 | 75 | 82 | 99 | 35,388 | 38,999 | 46,966 |
| 100 - 199 | 149.5 | 437 | 150 | 164 | 197 | 65,332 | 71,498 | 86,105 |
| 200 - 499 | 349.5 | 324 | 350 | 383 | 461 | 113,238 | 124,039 | 149,380 |
| 500 and over | 1079.3 ^{1/} | 224 | 1,079 | 1,182 | 1,424 | 241,757 | 264,869 | 318,981 |
| | | 3,496 | 141 | 155 | 187 | 494,338 | 541,654 | 652,313 |

B - Vegetable Crop Farms, Vegetable Acreages, and Percentages of Totals by Size

| Class intervals (acres) | Mid-points | Vegetable farms | | Percentages | |
|-------------------------|---------------------|-----------------|-----------------|-------------|-----------------|
| | | Number | Vegetable acres | Farms | Vegetable acres |
| | 1 | 2 | 3 | 4 | 5 |
| 0 - 5.4 | 2.7 | 635 | 1,723 | 18.1 | .6 |
| 5.5 - 11.9 | 8.7 | 555 | 4,853 | 15.9 | 1.6 |
| 12.0 - 17.6 | 14.8 | 380 | 5,614 | 10.9 | 1.9 |
| 17.7 - 29.9 | 23.8 | 466 | 11,099 | 13.3 | 3.7 |
| 30.0 - 59.8 | 44.9 | 475 | 21,339 | 13.6 | 7.2 |
| 59.9 - 120.3 | 90.1 | 437 | 39,395 | 12.5 | 13.2 |
| 120.4 - 301.2 | 210.8 ^{1/} | 324 | 68,283 | 9.3 | 22.9 |
| 301.3 and over | 650.8 ^{1/} | 224 | 145,780 | 6.4 | 48.9 |
| Totals | | 3,496 | 298,086 | 100.0 | 100.0 |

^{1/} Arithmetic mean.

Source: 1954 Census of Agriculture, U.S. Bureau of the Census, Vol. III, part 8.
Various studies and estimates by author.

APPENDIX TABLE 2

California Vegetable Crops: Estimated Production,
Total and Average Acreage by County, 1934

| Class
and
Value
(Dollars) | Total
Production
(Dollars) | Average Acreage | | | | | Total Acreage | |
|------------------------------------|----------------------------------|--------------------------|---------------------------|-------------------------------|---------------------------|-------------------------|---------------------|-------|
| | | Alfalfa
and
Clover | Asparagus
and
Beans | Cauliflower
and
Cabbage | Carrots
and
Turnips | Onions
and
Garlic | Other
Vegetables | Total |
| 0 - 10 | 100.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 10 - 20 | 200.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 20 - 30 | 300.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 30 - 40 | 400.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 40 - 50 | 500.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 50 - 60 | 600.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 60 - 70 | 700.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 70 - 80 | 800.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80 - 90 | 900.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 90 - 100 | 1000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 100 - 110 | 1100.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 110 - 120 | 1200.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 120 - 130 | 1300.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 130 - 140 | 1400.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 140 - 150 | 1500.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 150 - 160 | 1600.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 160 - 170 | 1700.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 170 - 180 | 1800.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 180 - 190 | 1900.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 190 - 200 | 2000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 200 and over | 2000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total | 2000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

APPENDIX TABLE 3

California Vegetable Crops: Estimated Production, Total and Average Acreage by County, 1934

| Class
and
Value
(Dollars) | Total
Production
(Dollars) | Average Acreage | | | | | Total Acreage | |
|------------------------------------|----------------------------------|--------------------------|---------------------------|-------------------------------|---------------------------|-------------------------|---------------------|-------|
| | | Alfalfa
and
Clover | Asparagus
and
Beans | Cauliflower
and
Cabbage | Carrots
and
Turnips | Onions
and
Garlic | Other
Vegetables | Total |
| 0 - 10 | 100.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 10 - 20 | 200.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 20 - 30 | 300.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 30 - 40 | 400.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 40 - 50 | 500.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 50 - 60 | 600.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 60 - 70 | 700.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 70 - 80 | 800.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80 - 90 | 900.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 90 - 100 | 1000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 100 - 110 | 1100.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 110 - 120 | 1200.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 120 - 130 | 1300.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 130 - 140 | 1400.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 140 - 150 | 1500.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 150 - 160 | 1600.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 160 - 170 | 1700.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 170 - 180 | 1800.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 180 - 190 | 1900.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 190 - 200 | 2000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 200 and over | 2000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Total | 2000.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

Estimated mean.

Source: 1934 Census of Agriculture, U.S. Bureau of the Census, Vol. III, part 2.
Values stated are estimated by county.